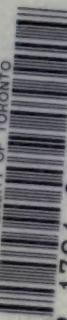


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# FOURTH INTERNATIONAL CONGRESS ON SCHOOL HYGIENE

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BUFFALO, NEW YORK, U. S. A.  
AUGUST 25-30, 1913

## TRANSACTIONS

VOLUME I



Edited by Thomas A. Storey  
with the assistance of Frederic A. Woll  
and Julian Park

1914

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Printed and Bound by  
THE COURIER CO. OF BUFFALO  
197-199 Main St., Buffalo, N. Y.

## CONTENTS

	PAGE
Foreword . . . . .	5
Past Presidents of the Congresses . . . . .	12
In Memoriam . . . . .	16
Final Bulletin of the Congress . . . . .	17
Minutes of the Permanent International Committee . . . . .	112
Entertainment During Congress Week . . . . .	123
Scientific Exhibit . . . . .	134
Financial Report of the Secretary-General . . . . .	179
Members and Delegates in Attendance . . . . .	182

### GENERAL MEETINGS

Program . . . . .	309
Address of Dr. Roswell Park . . . . .	310
Address of Secretary Wilson . . . . .	312
Address of President Finley . . . . .	313
Address of Mayor Fuhrmann . . . . .	315
Response of President Eliot . . . . .	316
Address of President Eliot . . . . .	318
School Hygiene and Child Life By Sir James Grant . . . . .	325
The Hygiene of Appetite . . . . . By G. Stanley Hall . . . . .	332



# FOREWORD

The Fourth International Congress on School Hygiene received four-fifths of its entire financial support from the citizens of Buffalo.

The management of the Congress, aside from certain important local affairs, was very largely the work of the officers and members of the American School Hygiene Association.

Many other individuals, organizations and institutions in this country and abroad co-operated heartily, sympathetically, and effectively in the development and application of the many plans for this international enterprise, but these two bodies, the citizens of Buffalo and the members of the American School Hygiene Association, supported successfully the most serious and the most important obligations and responsibilities in connection with this event from its start to its finish.

This relationship is shown in part at least by the address of Health Commissioner Fronczak, which was delivered in Paris at the Third International Congress on School Hygiene, to which event the Commissioner was sent by the City of Buffalo to invite the Permanent International Committee on School Hygiene to hold the next Congress in the City of Buffalo. This relationship is further shown by two letters which I wrote to Dr. Roswell Park during the summer of 1913. That address and these letters are reprinted below.

I am sorry that my intimate relationship to the American School Hygiene Association (I have been its Secretary for seven years) prevents my writing at greater length concerning the important work which that Association has accomplished in relation with this Congress.

T. A. S.

---

## The Health Commissioner of the City of Buffalo, N. Y.

*Mr. Chairman, Ladies and Gentlemen:*

I no doubt bespeak the gratitude of the entire American people, and, if I am permitted to use the words of our former President, Theodore Roosevelt, who spoke from this very place, am delighted, on their behalf, to welcome the next Congress to the United States.

The City of Buffalo, which you have selected as your next meeting place from among a number of other cities of the world, will certainly do everything within its power to make the Fourth International Congress on School Hygiene a success, from a scientific, educational, as well as social, point of view.

Buffalo is a city of almost half a million; it is a cosmopolitan city where thousands upon thousands of English, Irish, Germans, French, Poles,

Italians, etc., in fact representatives of all nationalities, live together in harmony, yet all unite in singing the grand American anthem: "My country, 'tis of thee, sweet land of liberty, of thee I sing."

It is a beautiful city, located on the eastern shores of Lake Erie, in close proximity to the famous cataract of Niagara—a summer resort in fact, where it is never too hot during the day, while the nights are cooled by the lake breezes.

It is a centrally located city, a night's ride from the hub of the universe, Boston, from the great city of New York, from Philadelphia, and the capital of the United States, Washington, from Cincinnati, and Chicago and Milwaukee, Toronto and Montreal in Canada.

Buffalo is a hospitable city, as it will be our endeavor to prove to you in 1913. Our worthy Mayor, in a special letter to the committee, has invited you, and the citizens of Buffalo join him in this invitation.

Not only Buffalo, but the greatest American Republic invites you there through the American School Hygiene Association, aye, more, our neighbor on the north, Canada, and our neighbor on the south, Mexico—in fact the entire Western Continent invites you to come to Buffalo.

We are a young republic; our age is only 134 years. We have learned much from Europe and now we desire to show you that we are apt students and have made progress in science, art, and education. We did more than that, we gave the world a thousand and one new inventions, discoveries, and improvements. We desire to show you all these things and find out what you think of us as a nation, not only of wealthy men, but as a nation where knowledge and charity and philanthropy go hand in hand with riches.

We can assure you a great welcome, a hearty hand-shake, and true American hospitality. We will greet you as comrades in the great battle for the improvement of school youth.

I thank this assemblage, gathered in the world-wide celebrated grand amphitheatre of the Sorbonne, for the hearty vote given for the United States, and for their cheers I raise in return the cry: "Long live the great French nation!"

---

NEW YORK CITY, June 30, 1913.

DR. ROSWELL PARK,

Chairman Citizens' Committee,  
Buffalo, N. Y.

Dear Sir:

The public-spirited support which the citizens of Buffalo have given this Fourth International Congress on School Hygiene is one of the most

remarkable exhibitions of far-sighted municipal intelligence and one of the most notable examples of civic pride that has ever been associated with these great international enterprises. Never before in the history of international congresses has such a high-class public-spirited service been accomplished by a single community as has been done by the men and women of this city.

You have accepted and are now successfully carrying an obligation left you by the unexpected demise of several of your most representative citizens. The financial resources, with which the organization and campaigns of this Congress have been supported, have been furnished almost in their entirety by the men, women and children of the City of Buffalo. I believe that you have done this great service partly because your city was pledged to do it, and partly because you and your wise advisors have recognized here a brilliant opportunity to be of unique service to your own community and to the communities of the world.

This Congress of yours is reaching out into every community of these United States and into every large and important community of the world. The Government of this great country has sent its invitation to every great nation of the earth to appoint delegates to represent them here in your city this coming summer. Organizing committees have been formed in all the great nations of the world, and in all the states of this country through the stimulus of your Citizens' Committee.

All these state, national and international organizing committees are actively concerned with the legitimate and dignified and earnest advertisement of the Buffalo Congress. Letters have been sent to every large city of the world, inviting the chief magistrates of those cities to appoint delegates to represent their municipalities at this international gathering. Every president of every college and university, of any size and importance, in every country of the world has received a communication addressed in the name of the City of Buffalo, inviting him to secure the appointment of delegates to represent his institution adequately and efficiently on this occasion. Your messages of invitation have gone to every State Board of Health and every State Board of Education in America. These messages have been sent to the Mayors of all cities of ten thousand or more inhabitants in this country, and to the Boards of Health, and Boards of Education, and Superintendents of Schools in all those cities. These invitations to appoint delegates to the Buffalo Congress have been sent to rural Boards of Health and rural School Boards in all parts of America, and to a large number of national and state educational and medical societies, hygienic organizations, civic clubs, and other societies.

As a result of these various invitations there are at present (June, 1913) over a thousand officially accredited delegates who are to represent

these various institutions, organizations, cities, states and nations this summer at your Congress and in your city. This list of delegates is growing larger every day. This enterprise which you are supporting is receiving the cordial support of men and women in all parts of the world. Your city through its chosen agents has awakened a co-operative interest in the serious problems of school hygiene in all those sources from which these delegates have been appointed. In addition there are working with you several thousand women's clubs in these United States and in neighboring countries; and many regularly organized committees of dentists in practically all our States. And the medical profession and the teaching profession are represented through organizing committees in all our States.

The resource which you have furnished has enabled your special committees to bring together a group of more than three hundred men and women whose experience and training specially qualify them to present papers upon the various important phases of school sanitation and child hygiene. These papers which have been called into being through your public-spirited activities will report the plans and experiences of state, city and county boards of health; state, city and county boards of education; public school and university people; practising dentists and physicians, and a number of educational, medical, dental, hygienic, social, philanthropic, civic, architectural, engineering, and other organizations. Several of our great governmental bureaus are in this list. Your committee on Scientific Exhibits has entered into communication with every one of these national, state, municipal, and rural institutions; with all these scientific, educational, and other organizations and with various individuals for the purpose of securing exhibits for the Buffalo Congress.

The publicity bureau, which has been engaged in bringing legitimate and dignified news of this, your enterprise, to the attention of the public press, has received a cordial, sympathetic, and effective support from the newspapers, journals, and technical magazines in all parts of this country and in many localities abroad. Thousands of letters have gone out day by day and week by week through the months that have passed, carrying the message of your city to sympathetic, appreciative, and vigorously active men and women in all the great communities of the world.

Through these various avenues the resources raised by your school teachers, your firemen, and your night schools, and the financial support pledged a few days ago by your city authorities are being invested for the purpose of purchasing better health for the future citizens of the world. Your investment will buy health for your children. If your boys and your girls are given better school sanitation and better health

supervision the investment will bring you more intelligence, more wisdom, and a greater community enterprise when they become men and women. Your children today will be citizens tomorrow. This investment which you have made is the sort of an investment that lessens crime, reduces murder, limits insanity, abates degeneracy, and prevents disease.

The population of the City of Buffalo is like the population of Boston, Philadelphia, Chicago and New York City. The quality of citizenship in these great metropolitan communities depends upon the care which the communities of the world look after the health influences which affect their children. The school boys and girls of Austria, Poland, Italy, Germany and Russia today may be voters in these American cities tomorrow. They may be American mothers and American fathers. Some of them may live in Buffalo. Your investment must have an improving influence upon school conditions everywhere. This influence may be small or great. In any event it will be an influence that will lead to a better type of citizen for Buffalo and for her sister cities.

Finally it is a perfectly reasonable, economic, business proposition to regard the budget of this Congress as an investment which will lead to a reduction of community expense. In every school there are a certain number of pupils whose progress is slower than the average. Many of these children are retarded because of sickness and physical weakness, which could be avoided under a wise system of school health supervision. The child that spends an extra year in school does so at the expense of the community. Intelligent application of a wise policy of school hygiene will reduce retardation and thus save the financial resource of the community. Furthermore we know that normal, healthy children are more likely to develop into rugged, intelligent, and law-abiding citizens. Because of these facts a wise policy of school hygiene reduces the need of criminal procedures at the public expense. It reduces the need for jails and penitentiaries, and saves a certain amount of community resource which would otherwise be spent for their maintenance. A system of school hygiene which includes the successful instruction of school children in the habits of health will inevitably lessen the community expense for clinics, hospitals, insane asylums, schools for the blind, homes for the orphans, and for poor farms and reformatories.

This great campaign in the interest of your Congress and in the interest of these many seriously important community problems has developed into a powerful and enormous piece of human co-operative activity. Your agents have found everywhere a hearty, cordial, sympathetic appreciation of the common, serious, dignified and fundamentally important motives that underlie this great world-wide movement, which

is being backed up in such a large and public-spirited way by the citizens of Buffalo.

No international congress ever held in this country has surpassed this one in its general popular interest. No other international congress has ever reached a greater number of the citizens of the world. No international congress has ever been built up on a keener realization of the greater and more intimate community needs. From these points of view the City of Buffalo is supporting what bids fair to be the most important international congress the United States has ever known.

(Signed) THOMAS A. STOREY,  
Secretary-General  
Fourth International Congress on School Hygiene.

BUFFALO, N. Y., August 30th, 1913.

DR. ROSWELL PARK,  
CHAIRMAN CITIZENS' COMMITTEE,  
Buffalo, N. Y.

*My Dear Dr. Park:*

On the eve of my departure from Buffalo, I want to take the opportunity to tell you how strongly impressed I am with the success of this Congress on School Hygiene, which has occupied so much of your time and the time of your fellow citizens.

During the last seven days I have been in conversation with some of the most prominent educators, physicians, dentists, club women, engineers, and other public-spirited citizens from this country and from foreign nations. These men and women are, many of them, regularly in attendance on international congresses at home and abroad. I have been most pleased and deeply encouraged over the fact that, without exception, these men and women have expressed their high appreciation of and great admiration for the various divisions of this international enterprise.

The scientific exhibit has met with unqualified approval, and some of its features are said to be the best that have appeared in this country.

The program sessions have, without exception, been well attended. The papers have been practical, and in the very great majority of cases of a very high standard.

The members and delegates in attendance here have found your fellow citizens most hospitable and most cordial in their entertainment. This sentiment has reached my ears from every source, both from foreign delegates and those coming from our sister states.

I feel that the citizens of Buffalo, the officers of the Congress and the various organizing committees that have worked in the interest of this enterprise, all have the very best reasons for being completely satisfied with every phase of the organization, operation and results of the Buffalo Congress on School Hygiene.

Your civic enterprise and pride, which has enabled you to put this great Congress through with very little outside help, is a unique fact in the history of congresses. Our exhibit in certain of its features has established new standards which will impress themselves upon all future exhibits. Our program promises, through its publication in the proceedings, to become an influential factor in the betterment of school sanitation and child hygiene throughout all the individual communities to which it may be distributed.

Permit me, therefore, to express my profound admiration and my deep respect for a community which has done so much to bring into being and to make possible this powerful influence for the production of better schools, better homes and higher citizenship.

I beg leave to remain,

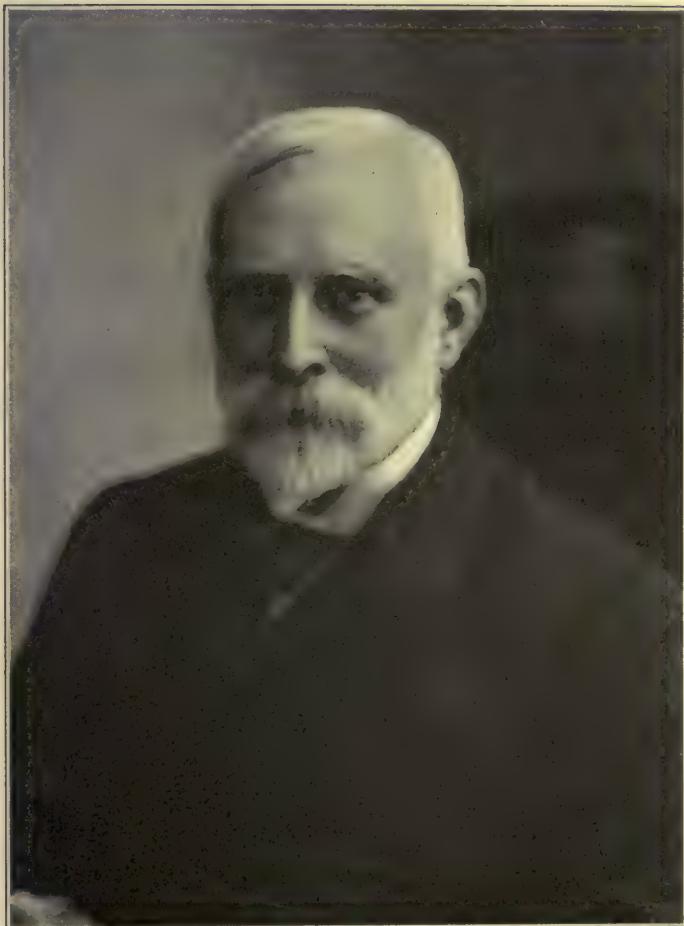
Very truly yours,

THOMAS A. STOREY.

## PRESIDENTS OF PAST CONGRESSES



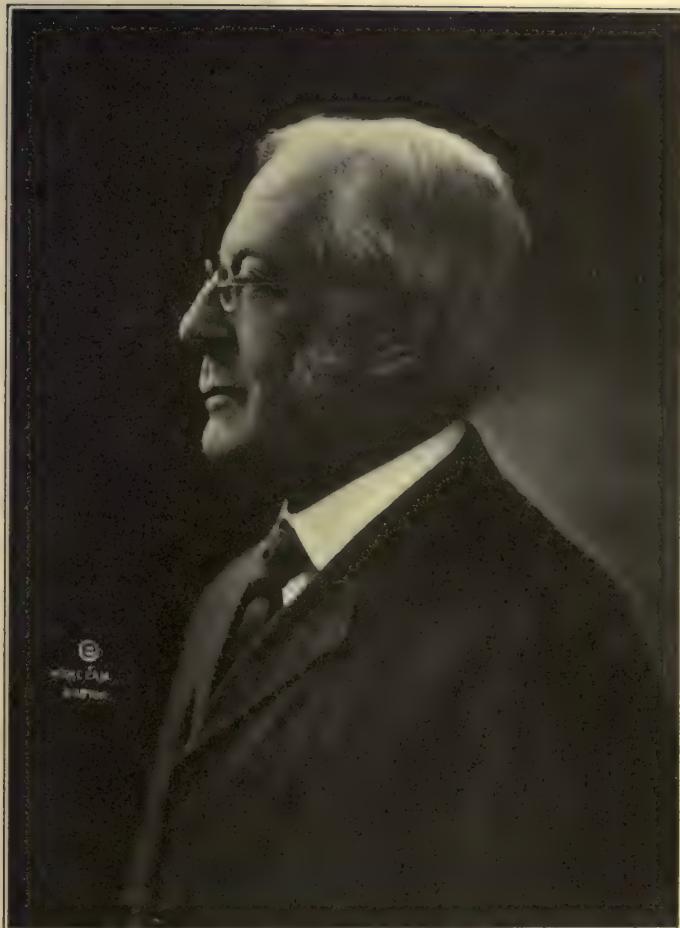
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President, First International Congress on School Hygiene



**SIR LAUDER BRUNTON**  
President, Second International Congress on School Hygiene



DOCTOR ALBERT MATHIEU  
President, Third International Congress on School Hygiene



CHARLES W. ELIOT

President Emeritus of Harvard University  
President, Fourth International Congress on School Hygiene

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## In Memoriam

---

J. N. ADAM, Chairman of the Buffalo Citizens' Committee,  
Fourth International Congress on School Hygiene.  
Died February 9, 1912.

T. GUILFORD SMITH, Chairman of the Buffalo Citizens'  
Committee, Fourth International Congress on School  
Hygiene. Died February 20, 1912.

CHARLES W. PARDEE, Chairman of the Buffalo Citizens'  
Committee, Fourth International Congress on School  
Hygiene. Died March 17, 1912.

STEPHEN M. CLEMENT, Treasurer-General, Fourth  
International Congress on School Hygiene. Died  
March 26, 1913.

DR. ARTHUR T. CABOT, Chairman of the Executive Com-  
mittee, Fourth International Congress on School  
Hygiene. Died November 4, 1912.

# REPRINT OF FINAL BULLETIN

## I

### PRECEDING CONGRESSES

#### NUREMBERG—1904

Under the Presidency of H.R.H., Prince LOUIS FERDINAND, of Bavaria

#### LONDON—1907

Under the Royal Patronage of His Britannic Majesty

#### PARIS—1910

Under the Patronage of the French Minister of Public Instruction

## II

### THE OBJECTS OF THIS CONGRESS ARE:

1. To bring together men and women interested in the health of school children.
2. To organize a program of papers and discussions covering the field of school hygiene.
3. To assemble a scientific exhibit representing the best that is being done in school hygiene.
4. To secure a commercial exhibit of practical and educational value to school people.
5. To publish the proceedings of this Congress and distribute them to each member.

## III

## HONORARY PRESIDENTS

*(Selected by the Permanent International Committee)*

\*JAMES NOBLE ADAM

L. P. FUHRMANN

\*J. PIERPONT MORGAN

Sir LAUDER BRUNTON

Dr. ALBERT MATHIEU

Dr. H. GRIESBACH

}

*Presidents of the three  
previous Congresses*

*(Selected by the American Organizing Committee)*

Dr. Luís AGOTE, Professor de la Facultad de Ciencias Médicas de Buenos Aires, Médico Gefe del Instituto de Clinica Médica, Disputado Nacional, Buenos Aires, Republica Argentina.

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Professor G. W. CHLOPIN, M.D., Ph.D., Professor of Hygiene, St. Petersburg, Russia.

Field Marshall His Royal Highness the DUKE OF CONNAUGHT, Governor-General of Canada.

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Count H. HIJIKATA, Exc., President, Japanese Hygiene Society, Tokio.

Dr. AXEL JOHANNESSEN, Professor of Medicine, University of Christiana, Norway.

Wirkl. Geh. Obermedizinalrat Prof. Dr. KIRCHNER, Ministerial-direktor im Königl. Preuss. Ministerium des Innern, Berlin, Vorsitzender des Deutscher Verein für Schulgesundheitspflege, Germany.

\*Deceased

Dr. LEO DE LIEBERMANN, Professor of Hygiene, University of Budapest, Hungary.

Dr. JOSÉ A. LÓPEZ DEL VALLE, Jefe Local de Sanidad de la Habana, Cuba.

Exmo. Sr. ANTONIO LÓPEZ MUÑOZ, Catedrático de la Real de Ciencias Morales y Políticas, Ministro de Instrucción Pública y Bellas Artes, Spain.

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Dr. M. A. VALINTINE, Inspector-General of Hospitals and Chief Health Officer of the Dominion, Wellington, New Zealand.

#### IV

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## IX

## RULES GOVERNING THE FOURTH INTERNATIONAL CONGRESS ON SCHOOL HYGIENE\*

1. The Fourth International Congress on School Hygiene will take place in Buffalo, New York, U. S. A., August 25-30, inclusive, 1913. Its object shall be the study of all questions relating to school hygiene.
2. Its officials and governing committee shall be: a President, two Vice-Presidents, a Treasurer-General, a Secretary-General, and an Executive Committee who shall have authority over the entire Congress.
3. The Congress will include: honorary officials, ordinary members and associate members.
4. The honorary officials shall be elected by the Executive Committee. All persons interested in school hygiene may join as ordinary members of the Congress. Applications for membership should be accompanied by a postal order, made out to the Treasurer, for the sum of \$5.00 in the United States, 25 francs in the Latin Union, 20 marks in Germany, 1 pound sterling in England, and for other countries a sum representing the full equivalent of \$5.00.
5. A collective subscription will be allowed for general or municipal bodies, educational institutions or societies and associations. This collective subscription shall give the right of the body represented to send a single delegate who will enjoy all the rights and privileges of an ordinary member.
6. Associate members shall be admitted at half rate (\$2.50), with title of associate. The wives and children of ordinary members shall be eligible to associate membership. Associate members shall be entitled to all privileges of regular members, but they may receive no publications nor votes at meetings.
7. Special membership.—In view of the financial and other obligations assumed by the School Hygiene Association in the country where

\*NOTE:—As adopted by the Executive Committee of the National Organizing Committee, September 24, 25 and 26, 1912.

the International Congress is held, the Committee concerned with the organization of the Fourth International Congress on School Hygiene has ruled that members of the American School Hygiene Association shall be entitled to full regular membership in this Congress with all its rights and privileges at a fee of \$2.50.

8. Regulations governing reports, communications and language employed shall be decided on by the Program Committee.

9. The Congress shall be conducted through general opening and closing meetings, plenary sittings and section meetings.

10. At the closing meeting the President shall submit to the vote of the meeting the resolutions presented by the Committee on Resolutions. The place and date of the next Congress shall be settled at the closing meeting on the proposition of the Permanent International Committee.

11. The sectional meetings shall be reserved for the discussion of reports to the sections.

12. The number, names, organization and government of the sections shall be determined by the Program Committee.

13. The Permanent International Committee of the Congress will hold one or more meetings during the Fourth Congress. All resolutions adopted by the various sections and all proposals relative to its action and to the organization of future international congresses must be submitted to the general closing meeting.

14. The regulations governing the Scientific Exhibit will be determined by the Committee on Scientific Exhibit.

15. The regulations concerning the Commercial Exhibit will be determined by the Committee on Commercial Exhibit.

16. All rules formulated by the various committees must be ratified by the Executive Committee before they become operative.

## X

**ANNOUNCEMENT OF THE PROGRAM  
COMMITTEE**

I. The program committee is particularly anxious that the papers presented at this Congress shall deal largely with results secured through the practical application of scientific facts and procedures of school hygiene, and with the results of scientific investigation and laboratory research. Teachers, investigators, physicians, dentists, sanitarians and public-spirited citizens who have evidence showing that the school hygiene under their observation has been effective and of real service, or who can present scientific facts proven by their labors, will be welcome contributors.

II. The committee is further anxious to secure papers relating to Rural School Hygiene and Village School Hygiene as well as to City School Hygiene. The problems of the city schools have received a great deal of much deserved attention. The very serious problems of the village school and the rural school have received but little attention. The study and the solution of these problems are of obvious complexity and importance.

III. The following rules have been established by the program committee:

1. The official languages of this Congress shall be English, French, German, Spanish and Italian.
2. Papers must be limited to fifteen minutes in presentation.
3. Manuscripts submitted for publication in the Proceedings must not exceed three thousand words.
4. Time will be assigned on each program for the open discussion of groups of related papers.
5. Individuals participating in the open discussion may be limited to three minutes each, and such discussion may be determined at the discretion of the presiding officer. This

rule is laid down for the purpose of enabling the presiding officer to put his schedule through on time. Preliminary abstracts will not be published.

6. Authors are requested to send in their manuscripts early. All such manuscripts must be in the hands of the Secretary-General by July 1, 1913.

7. The Program Committee reserves the right to reject any contribution which for any reason it feels should not be accepted.

8. Papers will not be read in absentia, but such papers may be published in the Proceedings.

9. Exceptions to these rules may be made only with permission from the Program Committee.

IV. The Program will be organized into sections, as follows: These sections will be subdivided whenever such division appears to be desirable.

Section 1. "THE HYGIENE OF SCHOOL BUILDINGS, GROUNDS, MATERIAL EQUIPMENT AND UP-KEEP." This section will include papers on topics related to the location, plan, construction, equipment and up-keep of city, village and rural schools, open-air schools, private schools, boarding schools, summer camps and special schools for backward, truant, delinquent, deficient, defective and deformed children, *i. e.*, site, architecture, decoration, ventilation, illumination, cleaning system, plumbing, toilets, sewage disposal, school furniture, school books, water supply, drinking facilities, bathing facilities, swimming pools, school grounds, school athletic fields, fields for games, sport and play, lunch rooms and equipment, gymnasium, social rooms, rest rooms, libraries, laboratories, class rooms, study rooms and lecture rooms.

Section 2. "THE HYGIENE OF SCHOOL ADMINISTRATION, CURRICULUM AND SCHEDULE." This section will include all topics concerned with the hygienic factors found in school administration, curriculum, and schedule as they apply to country, village and city schools; and to the modifications necessary for the best interest of our various special schools. Papers on such subjects as the following would belong to this section:

Hygiene of the teacher; hygiene of the child; hygiene of the janitor and other school employees; hygiene of the schedule, growth and age; school fatigue; need for and management of school lunches and school baths; influence of the seasons; study periods; home work; recesses; vacations; athletics; the problems of heredity in relation to school hygiene; overcrowding; the teaching of hygiene; the training of teachers of hygiene; special phases of hygiene: as personal hygiene; oral hygiene; preventive hygiene; educational hygiene; community hygiene; sex hygiene; play; physical education; domestic hygiene; puericulture, and first aid; special plans for and results from the instruction of backward children, truant, delinquent and crippled children; the economics of school hygiene; relation to the home.

Section 3. "MEDICAL, HYGIENIC AND SANITARY SUPERVISION IN SCHOOLS." This section will receive papers on the management, operation and results of medical, hygienic and sanitary supervision in public, private and special, country, village and city schools, colleges, universities and professional schools.

Such subjects as the following will be included: The control of health inspection; sanitary supervision; the organization of health departments in schools; the relationship to the board of health; the equipment, training and compensation of school physicians; school nurses; school clinics; relation of health supervision in the schools to the practice of the physician, the dentist, and the hospital; relation of medical and hygienic supervision in the schools to health supervision in the home; standardization of examinations; sanitary supervision of school rooms (class rooms), locker rooms, swimming pools, toilets, school books and school furniture; supervision of disease carriers; prevention of epidemics; follow up methods and results; medical inspection and treatment; standardization of records.

## V. SCHEDULE:

## MONDAY, AUGUST 25, 1913:

10:30 A.M. Opening meeting.  
2:00 P.M. Section meetings.  
8:00 P.M. Reception.

## TUESDAY, AUGUST 26, 1913:

9:00 A.M. Section meetings.  
2:00 P.M. Entertainment.  
8:00 P.M. Open meeting.

## WEDNESDAY, AUGUST 27, 1913:

9:00 A.M. Section meetings.  
2:00 P.M. Section meetings.  
8:00 P.M. Entertainment.

## THURSDAY, AUGUST 28, 1913:

9:00 A.M. Section meetings.  
2:00 P.M. Entertainment.  
8:00 P.M. Open meeting.

## FRIDAY, AUGUST 29, 1913:

9:00 A.M. Section meetings.  
2:00 P.M. Section meetings.  
8:00 P.M. Open meeting.

## SATURDAY, AUGUST 30, 1913:

9:00 A.M. Section meetings.  
2:00 P.M. Entertainment.

## VI. PROGRAM COMMITTEE:

Dr. ROBERT W. LOVETT  
Dr. LUTHER H. GULICK

Dr. DAVID L. EDSALL  
Dr. THOMAS A. STOREY  
College of the City of New York,  
New York City, U. S. A.

## XI

**PLANS OF THE COMMITTEE ON SCIENTIFIC EXHIBIT****DATES AND LOCATION**

1. The exhibition will be opened August 25, 1913, and continue through August 30th. The hall will be ready for the installation of all exhibits August 14th, and all exhibits must be removed before midnight, September 2d.
2. The largest convention hall in Buffalo will be used for presenting the exhibits. The hall will be open daily from 9 A. M. until 10 P. M. Admission free. Children must be accompanied by adults.

**SCOPE OF SCIENTIFIC EXHIBIT**

3. The Scientific Exhibit will not include any material which has for its primary purpose the advertisement, for pecuniary gain, of any apparatus, supplies, furniture, schools or establishments of any sort. All such material will be cared for in the Commercial Exhibit.
4. (a) The committee reserves the right to reject any exhibit which in its judgment does not comply with its rules.  
(b) No attempts will be made on the part of the committee to evaluate any scientific results forwarded, but it will be free to exclude any results not having a definite bearing on some phase of school hygiene.  
(c) The Scientific Exhibit will be limited to the presentation of two classes of material:
  - (1) The results of investigations which have significant relations to the problems of school hygiene and school sanitation.
  - (2) The methods and results of the application of hygienic science to all phases of school work, school administration, and school sanitation. Commercial products may be admitted by the committee to illustrate methods and application of school hygiene, provided such products are displayed with no commercial setting.

**APPLICATIONS FOR SPACE**

5. All exhibitors are urged to make application for space at the earliest possible moment, stating amount of floor and wall space required, nature and character of the exhibit, and such other information as may be requisite.

Copies of the following blank form for applying for space should be used, and may be had on application to Dr. FRANKLIN C. GRAM.

Application for space in connection with the Scientific Exhibit of the Fourth International Congress on School Hygiene.

Dr. FRANKLIN C. GRAM, Buffalo, N. Y., U. S. A.

I....., representing  
(name)

(school, society, state, city, country, etc.)

hereby apply for.....square feet of floor space,  
and.....square feet of wall space. (Indicate  
shape and dimensions of area desired for exhibiting material  
illustrative of.....

This material will comply with the requirements of your committee. It will be forwarded so as to reach Buffalo not later than August 9th, and will be installed and removed by

6. Exhibitors desiring to show models or apparatus in operation to illustrate scientific results must make application to Dr. FRANKLIN C. GRAM, Buffalo, N. Y., before June 1, 1913, so that proper arrangements for space and installation can be made in advance.

### RESPONSIBILITY OF THE COMMITTEE

7. The committee will exercise every reasonable precaution for the protection of exhibits, but will not hold itself responsible for breakage or loss in any form.

### EXPENSE

8. No charge will be made for space in the scientific exhibit, but the committee reserves the right to apportion the space and locate the exhibits.

9. All material forwarded for this exhibition must be sent fully pre-paid, and (excepting printed matter, setting forth the results of investigations), the expense for the return of the same must be provided by the exhibitor.

10. The expense of receiving, storing, and transferring all materials at Buffalo will be borne by the committee.

11. All ordinary expense incurred in placing material on exhibition will be borne by the committee; but any special expense made necessary through lack of advance arrangement will be charged to the exhibitor of such material.

12. Electrical currents are available free, but the cost of connecting and installing an exhibit using the current must be borne by the exhibitor, or, preferably, should be installed by the exhibitor.

### INSTALLATION

13. The committee prefers in all cases to have the co-operation of a specially delegated person to install individual exhibits, and earnestly requests each exhibitor to send such a delegate. Such delegates, however, should be in Buffalo not later than August 18, 1913, and report at once to Dr. FRANKLIN C. GRAM. Otherwise, the committee reserves the right to unpack and install all exhibits.

### DATES AND ADDRESSES FOR FORWARDING MATERIAL

14. All written or printed accounts of the *results of investigations* in the field of school hygiene should be forwarded, prepaid, to Dr. FLETCHER B. DRESSLAR, Chairman of the Committee, care of George

Peabody College for Teachers, Nashville, Tennessee, U. S. A., where they will be classified, arranged, and forwarded to Buffalo.

The results of all investigations now completed, should be in the hands of the chairman on or before May 1, 1913. The committee will not be responsible for failure to exhibit such results received at a later date.

15. All exhibit material illustrating the *practical or administrative phases of school hygiene* should be properly prepared for exhibition, packed securely, and forwarded to Dr. FRANKLIN C. GRAM, Buffalo, New York, U. S. A. All such exhibits should be in Buffalo on or before August 9, 1913. The committee will not be responsible for placing material received after this date.

The following blank form should be used on all cases, boxes or crates forwarded to Buffalo:

To Dr. FRANKLIN C. GRAM  
Buffalo, New York, U. S. A.

For Scientific Exhibit, Fourth International Congress on School  
Hygiene, August 25-30, 1913.

Exhibit from.....,

Forwarded (month)....., (day) ....., 1913.

This package to be opened and material placed on exhibition

by

Our Special Delegate, Mr.....

The Committee on Scientific Exhibit.....

(erase the one not designated)

After the Exhibit this material to be returned to

.....,

ARRANGEMENTS FOR THE ADMISSION OF EXHIBIT MATERIAL  
DUTY FREE

16.

TREASURY DEPARTMENT

WASHINGTON, February 27, 1913.

Dr. THOMAS A. STOREY, *Secretary-General,*  
*Fourth International Congress on School Hygiene,*  
*College of the City of New York,*  
*New York, N. Y.*

SIR:

In reply to your letter of February 21st, I have to advise you that articles intended for exhibition before this Congress will be entitled to free entry under bond, in accordance with the provisions of paragraph 715 of the tariff act of August 5th, 1909. The Department's regulations require, in addition to the filing of the prescribed bond, the production of an affidavit of a duly qualified officer of the society, showing the purpose of the importation, and the place of exhibition. The bond given on entry will be cancelled upon the production to the collector of satisfactory evidence showing that the articles covered thereby have been actually exported.

A copy of this letter has been sent to the collector at New York, and he has been authorized to admit articles imported for exhibition at the Fourth International Congress on School Hygiene free of duty, under bond. If it is the intention of the officers of the society to import articles at other ports, I have to request that you advise the Department in order that the necessary instructions in regard to the free entry of the articles may be given to the collectors of customs.

Respectfully,

J. F. CURTIS,  
*Assistant Secretary.*

## 17. Members of the Committee on Scientific Exhibit:

Dr. FLETCHER B. DRESSLAR, *Chairman*, George Peabody College for Teachers, Nashville, Tennessee.

E. G. ROUTZAHN, Department of Surveys and Exhibits, Russell Sage Foundation, New York City.

Dr. FRANKLIN C. GRAM, Department of Health, Buffalo, New York.

**XII****LOCAL COMMITTEE ANNOUNCEMENTS FROM THE  
CITY OF BUFFALO\*****COMMITTEE ON ENTERTAINMENT**

Realizing that the many distinguished visitors will want some recreation from the work of the Congress, the Entertainment Committee has planned an extensive and diversified list of receptions, amusements and scenic trips.

Buffalo is the possessor of one of the finest park systems in the United States, while her geographical location gives ready access to Niagara Falls, one of the greatest of all the scenic wonders in the Western Hemisphere. The many clubs of the city will also be thrown open to the visitors, and every effort made to extend the city's hospitality.

As now planned, the entertainment program will open with an informal reception at which it is hoped Woodrow Wilson, President of the United States, and Mrs. Wilson, or their official representatives, will join with the local committee and with the other officers of the Congress in extending a welcome to the visiting delegates. During the week there will be other receptions at the Buffalo Club, the University Club, the Country Club, and the Twentieth Century Club.

Of greatest interest to delegates from foreign countries will be the trip to Niagara Falls. These wonderful cataracts are but a short hour's ride from Buffalo. The Royal Gorge route will be taken also, which will take the tourists into Canada. Special cars have already been chartered for the trip.

Lake Erie, one of the chain of lakes constituting the greatest inland sea in the world, offers opportunities for moonlight rides and excursions to different points.

It is the aim of the Entertainment Committee to provide interesting features for all spare time that delegates may find from their work with the Congress.

**RECEPTION COMMITTEE**

The Reception Committee of the Fourth International Congress on School Hygiene proposes to arrange for the reception of the delegates,

\*NOTE:—The announcements of the local committees from the City of Buffalo were prepared by Mr. B. H. BLAKESLEE, Secretary Citizens' Committee, Room 520, White Building, Buffalo, New York, U. S. A., April, 1913.

on their arrival in the city, and through the courtesy of the Scout Commissioner of the Boy Scouts of America, has arranged to have the Boy Scouts of this city act as guides, to show the delegates to their hotels and places of entertainment during the convention.

This committee will also co-operate with the Entertainment Committee, and assist them in carrying out their program.

### TRANSPORTATION COMMITTEE

Because it is a vital consideration for many lines of business, it is usual for cities to advertise themselves as centers of travel, and to bring forward their best arguments in support of their claim to being located at the hub of an important district, but there is no city in the United States east of the Mississippi River to which this distinction can be applied with so much propriety as to Buffalo.

A circle with a radius of 500 miles and its center at Buffalo includes half the population of the United States and two-thirds of the population of Canada within its bounds. These 500 miles can be traveled in comfort from practically any point on the circle, and from all points within, in not any more than twelve hours. This advantage applies to our principal seaports, New York being 440 miles distant, and reached by fast trains in eight hours. Boston, Mass., is just within the 500-mile radius, its distance from Buffalo being 497 miles. Philadelphia is 417 miles to the southeast, and Washington the capital, 436 miles. Important cities just outside this radius are Portland, Maine, at a distance of 613 miles, and Quebec, 517 miles from Buffalo. Montreal and Toronto are respectively 400 and 100 miles distant. Looking westward we find Chicago the great city of the middle west, 540 miles away. Cincinnati, to the southwest, is 436 miles distant.

Within this great circle a network of steam railroads is drawn toward Buffalo, concentrating in seventeen trunk lines, which bring hundreds of trains and thousands of passengers in and out of Buffalo every day.

Niagara Falls, one of the world's most famous natural wonders, is only 22 miles distant from Buffalo, and can be reached by steam cars or trolley in any hour of the day or night, and the tourist can depart for this point at almost any minute he may choose, the fare for the round trip from Buffalo being only fifty cents.

For those attending the Congress who wish to see more than the eastern half of the United States, Buffalo is a convenient starting point for a tour to the southwest, the Pacific Coast, or Northwestern Canada. St. Louis, Mo., is 705 miles from Buffalo, and on a direct line to New Orleans, which is 1,285 miles distant.

On the way into the northwest is St. Paul, Minnesota, 950 miles, and Winnipeg, Manitoba, 1,335 miles, Denver, Colorado, at the edge of what was the great American desert, is 1,600 miles distant from Buffalo.

If one wishes to continue the northwesterly journey from St. Paul and Winnipeg, the distance to Vancouver, British Columbia, is 2,765 miles. San Francisco, on the Pacific Coast, is 2,815 miles from Buffalo.

The cities mentioned above are the most important in the United States and Canada, and are representative of the wide range of territory within the bounds of North America.

There are also available to travelers in the summer time boat routes on the Great Lakes, with lines running to Cleveland and Detroit in Lake Erie, through Lakes Huron and Superior to Duluth, the center of the lumber and iron ore industries, and through Lake Michigan to Chicago. Of course, the journey by this route must be taken more leisurely, but it affords unequalled opportunity of seeing the world's greatest fresh water seas.

Toronto may also be reached by boat from Lewiston, New York, a point on the lower Niagara River, only an hour's travel by train from Buffalo, and affording an opportunity of riding on Lake Ontario, the last in the chain of Great Lakes which empties into the St. Lawrence River.

Travel over all of these routes can be accomplished in the greatest comfort in trains with the best obtainable equipment, making the trip a panorama of the country traversed, and a pleasant recollection.

## SPECIAL RATES FOR TRANSPORTATION

The Committee on Transportation is planning to secure special rates on the various railroad lines running into the City of Buffalo.

Information concerning these special rates may be secured through  
B. HERBERT BLAKESLEE, 520 White Building, Buffalo, New York,  
U. S. A.

## Regular Rates for Transportation

New York City to the City of Buffalo, - - - - - \$9.25  
(New York Central R. R.)

New York City to the City of Buffalo, - - - - - 8.00  
(Other Lines)

Boston to the City of Buffalo, - - - - -	\$10.65
Philadelphia to the City of Buffalo, - - - - -	10.00
Montreal to the City of Buffalo, - - - - -	10.24
Quebec to the City of Buffalo, - - - - -	15.14

### COMMITTEE ON ACCOMMODATIONS

#### Hotels

The following is a list of hotels in Buffalo with the number of rooms and price per day:

	100 Rooms	\$2.00 per day up	American Plan
Broezel	150 "	3.00 "	"
Castle Inn	100 "	2.50 "	"
Cheltenham	100 "	2.00 "	"
City	250 "	2.00 "	"
Genesee	125 "	1.00 "	European Plan
Iroquois	350 "	2.00 "	"
King Edward	100 "	1.00 "	"
Lafayette	500 "	1.50 "	"
Lenox	250 "	1.50 "	"
McLeod	100 "	1.50 "	"
Markeen	160 "	2.50 "	American Plan
Stafford	125 "	2.00 "	"
Statler	450 "	1.50 "	European Plan
Touraine	400 "	1.50 "	"

#### Smaller Hotels and Private Rooming Houses

Besides these there are several smaller hotels and private rooming houses which will accommodate an additional five to seven thousand people, situated within easy access to the business center of the city.

A complete list of all hotels and places of lodging will be on file in the office of B. H. BLAKESLEE, *Secretary*, Citizens' Committee, White Building, Buffalo, New York, U. S. A. Any information will be gladly given upon application.

Lodgings may be obtained in these smaller hotels and private rooming houses at prices which vary from \$1.00 to \$2.00 per day.

#### Restaurants

The City of Buffalo is well supplied with excellent restaurants and eating houses, where meals may be obtained at very reasonable prices. An excellent meal need not exceed fifty cents.

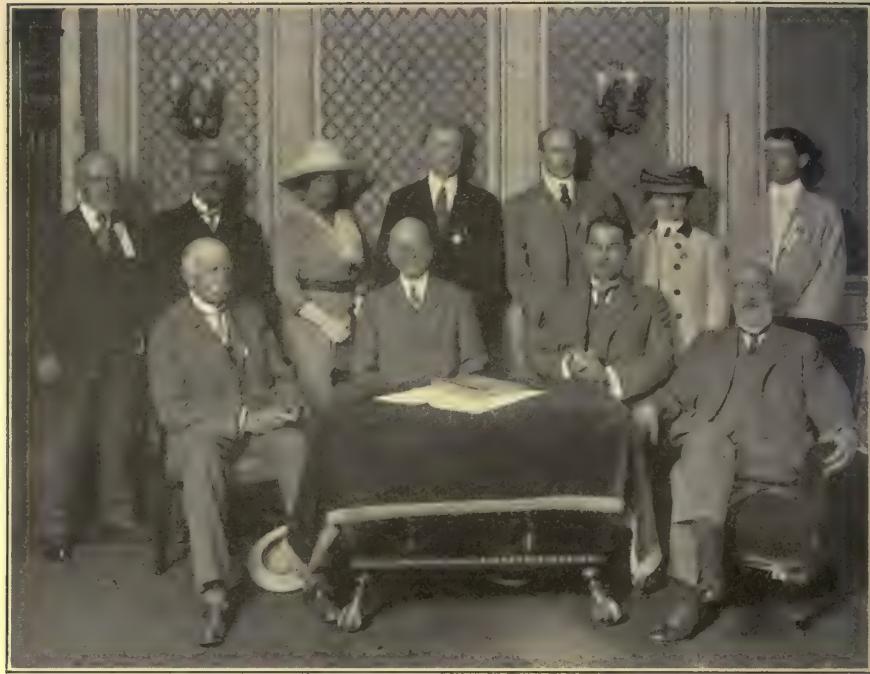
**XIII****DELEGATES**

Delegates were appointed as follows:

1. Through the operation of Public Resolution No. 53:

“Resolved by the Senate and House of Representatives of the United States of America in Congress assembled, That the President of the United States is hereby requested to direct the Secretary of State to issue invitations to foreign governments to participate in the Fourth International Congress on School Hygiene, to be held in Buffalo, New York, August 25-30, nineteen hundred and thirteen.”

2. Through invitations issued by the Executive Committee to the various state, territorial and municipal authorities, and to various educational, scientific, medical, and hygienic institutions and organizations in the United States and abroad.



MEMBERS OF THE PERMANENT INTERNATIONAL COMMITTEE PRESENT AT THE  
MEETING OF THAT COMMITTEE ON AUGUST 28, 1913

## REPORT OF THE MEETING OF THE PERMANENT INTERNATIONAL COMMITTEE ON SCHOOL HYGIENE

BUFFALO, NEW YORK, U. S. A.

August 25-30, 1913.

Under the Patronage of the  
Hon. WOODROW WILSON, President of the United States.

PRESIDENT

CHARLES W. ELIOT, President Emeritus, Harvard University.

SECRETARY-GENERAL

THOMAS A. STOREY, M.D., Ph.D., Professor of Hygiene, College of  
the City of New York.

## MEETING OF THE PERMANENT INTERNATIONAL COMMITTEE

Hotel Iroquois,  
Thursday, August 28, 1913. 5:00 P. M.

## MEMBERS PRESENT.

CHARLES W. ELIOT, Cambridge, Mass. (in the Chair).

Dr. LEO BURGERSTEIN, Vienna.

Dr. JAMES KERR, London.

Dr. W. F. UNIA STEYN PARVÉ, Deventer.

Dr. HELEN McMURCHY, Toronto.

Dr. WILLIAM H. BURNHAM, Worcester.

Dr. R. TAIT MCKENZIE, Philadelphia.

Dr. LUTHER H. GULICK, New York City.

Dr. THOMAS A. STOREY, New York City.

The Secretary presented a communication from Dr. Mathieu, President of the Permanent Council, relative to the Fifth International Congress on School Hygiene. The Committee thereupon approved the arrangements therein outlined for holding that Congress in the City of Brussels in 1915.

The Committee further approved the remainder of that communication from Dr. Mathieu covering the election to membership in the Permanent International Committee of M. M. Demoer, Brussels; J. Corman, Brussels; A. Nyms, Brussels; Professor Dr. Kirchner, Berlin, and G. Rouma, Bolivia.

On motion of Dr. Leo Burgerstein the names of Dr. Clemens Freiherr von Pirquet, Professor of Pediatrics, Vienna, Austria; Dr. Mathilde Gstettner, Assistant Oculist, Vienna Policlinic High School Teacher, Vienna, Austria; Dr. Theodore Altschul, K. K. Obersanitätsrath, Prag, Austria, were added to the Permanent International Committee.

On motion of Dr. Helen McMurchy, Dr. John Stewart of Halifax, Nova Scotia, was added to the Permanent International Committee. On motion of Dr. James Kerr, the name of Dr. Wu Lien-Teh of China was added.

On further motion of Dr. Kerr the English representatives in the International Committee were appointed as follows:

CLOUDESLEY BRERETON, London.

SIR JOHN COCKBURN, London.

Dr. CLEMENT DUKES, Rugby, Physician to the Hospital of St. Cross and to Rugby School.

Dr. JAMES KERR, Medical Officer, Education, London County Council. Sir LAUDER BRUNTON, London.

MATTHEW HAY, M.D., Professor of Forensic Medicine and Hygiene; Medical Officer of Health, University of Aberdeen.

Prof. WILLIAM OSLER, University of Oxford.

E. WHITE WALLIS, Director of the Royal Sanitary Institute, London.

On motion of Dr. Leo Burgerstein the name of Dr. med. Max Oker Blom, Dozent der Schulhygiene, Helsingfors, Finland, was added to the Permanent International Committee.

On motion of Dr. Kerr the name of Dr. Hugo Selter of Germany was added to the Permanent International Committee.

The American membership in the Permanent International Committee was then revised to read as follows:

CHARLES W. ELIOT, President Emeritus, Harvard University.

G. STANLEY HALL, President of Clark University, Worcester, Massachusetts.

Dr. HENRY P. WALCOTT, Chairman, Massachusetts State Board of Health.

Dr. LUTHER H. GULICK, M.D., M.P.E., New York City.

R. TAIT MCKENZIE, B.A., M.D., Professor of Physical Education, Director of Department, University of Pennsylvania, Philadelphia.

WILLIAM H. BURNHAM, Ph.D., Professor of Pedagogy and School Hygiene, Clark University.

THOMAS A. STOREY, M.D., Ph.D., Professor of Hygiene, College of the City of New York.

ROSWELL PARK, M.A., M.D., LL.D., Professor of Surgery, Medical Department, University of Buffalo.

LEWIS M. TERMAN, Ph.D., Associate Professor of Education, Stanford University.

FLETCHER B. DRESSLAR, Ph.D., Professor of School Hygiene, Peabody College for Teachers, Nashville, Tennessee.

JAMES H. McCURDY, A.M., M.D., M.P.E., Editor American Physical Education Review; Director, Normal Courses in Physical Education, International Young Men's Christian Association College, Springfield, Massachusetts.

W. H. POTTER, D.D.S., Professor of Operative Dentistry, Harvard University; Vice-President, International Commission für öffentliche Mundhygiene, Cambridge, Massachusetts.

EDWARD C. KIRK, D.D.S., Sc.D., Dean of the Thomas W. Evans Museum and Dental Institute School of Dentistry, University of Pennsylvania.

The Committee then added the names of Louis Dufestel, Charles W. Eliot, and Thomas A. Storey, to the Permanent International Council.

The Secretary was authorized to make additions to the Permanent International Committee from all the South American countries officially represented by delegates attending this Congress.

In pursuance with these instructions the Secretary reported the following:

#### **ARGENTINA**

Dr. JOSÉ PENNA, Presidente del Departamento Nacional de Higiene.

Dr. ANTONIO VIDAL, Jefe de los servicios de higiene infantil y escolar en el Departamento Nacional de Higiene, Buenos Aires.

Dr. CARLOS ROBERTSON, Profesor en la facultad de Medicina de Buenos Aires; Jefe de Servicio de cuimjia infantil.

#### **CUBA**

Dr. JUAN GIUTERAS, Jefe del Departamento Sanitario, Habana.

Dr. MARCELINO WEISS, Profesor de Istologia, Universidad de la Habana.

#### **GUATEMALA**

Dr. LUIS TOLEDO HERRARTE, Ministro de Relaciones Exteriores, de la Republica de Guatemala; Médico y cirujano de las Facultades de Paris, Guatemala y Honduras.

Dr. JULIAN ROSAL, Decano de la Facultad de Medicina, Guatemala.

Dr. MANUEL APARICIO, Guatemala City.

#### **HONDURAS**

Dr. ALEJO S. LARA, Director del Hospital General.

Dr. GENARO MUÑOZ HERNANDEZ, Professor de la Universidad de Tegucigalpa.

#### **PARAGUAY**

(Names to be supplied.)

**PERU**

**Dr. ERNESTO ODRIozOLA**, Profesor de Patología y Decano de la Facultad de Medicina, Universidad de Lima.

**Dr. FRANCISCO GRAÑA**, Profesor de Higiene en la Universidad de Lima y Miembro del Consejo Superior de Higiene.

**Dr. LUIS MIRO-QUESADA**, Profesor de Pedagogía en la Universidad de Lima.

**SANTO DOMINGO**

**Dr. SALVADOR GAUTIER**, Catedrático del Instituto de Santo Domingo.

**Dr. ARISTIDA FIALLO CABRAL**, Inspector General de Escuelas y Catedrático del Instituto.

**Dr. OCTAVIO POZO**, Catedrático del Instituto de Santo Domingo.

**URUGUAY**

**Dr. SCOSSERIA**, Profesor de la Facultad de Medicina, Universidad de Montevideo.

**Dr. JUAN BURNETT**, Cirujano Dentista, Montevideo.

**VENEZUELA**

**Dr. F. GUEVARA ROJAS**, M.D., F.R.C.S., (England), Professor of Pathology, University of Caracas; Minister of Public Instruction.

**Dr. S. DARIO MALDONADO**, Jefe de la Sanidad Nacional.

**Dr. R. GONZALEZ-RINCONES**, Legal and Colonial Physician of the Faculty of Paris; Member of the Academy of Medicine of Caracas; Chief Bacteriologist of the Central Station of Disinfection of the Bureau of National Health.

**COMMUNICATION TO THE PERMANENT INTERNATIONAL COMMITTEE**

FRIDAY EVENING, AUGUST 29, 1913.

Elmwood Music Hall, Buffalo, New York.

General Open Meeting, Mr. Charles W. Eliot, Presiding.

I. The Secretary-General presented to the general assembly a statement of the action of the Permanent International Committee as recorded in the minutes of its meeting above.

II. Various resolutions were presented before this general assembly and were unanimously approved.

These resolutions were as follows:

1. *Resolved*, That the Fourth International Congress on School Hygiene extends to the city officials, the citizens and the press of Buffalo its deep appreciation of the courtesy and the hospitality which has been so freely offered to the members of this Congress.
2. *Resolved*, That the Fourth International Congress on School Hygiene extends to the nations who have sent delegates to the Congress, its appreciation of the honor conferred by this action, and the expression of co-operation which it includes.
3. *Resolved*, That the Fourth International Congress on School Hygiene expresses its gratitude to the officials of the Congress, who, by their unremitting interest, have made possible this very successful session of the Congress.
4. This Congress recommends that proper steps be taken for the continuation of the Exhibit of the Abstracts of Scientific Publications on School Hygiene which has been prepared for this, the Fourth International Congress on School Hygiene.
5. *Resolved*, That it is the sense of the Fourth International Congress on School Hygiene that in each one of the United States such legislation should be made effective as would permit the establishment of systems of medical inspection and examination of school children, so that each school child in the United States would come under the hands of such health supervision.
6. WHEREAS, Nearly a million tuberculous children, or children strongly predisposed to tuberculosis, are attending our public schools, and there is hardly accommodation for 1,500 to receive instruction in the open air; and

WHEREAS, The Congress is convinced that the open air school is one of the most powerful agents in the prevention and cure of tuberculosis in childhood, and it has been furthermore demonstrated that nearly all climatic conditions, providing the air is dust free, lend themselves to the prevention of tuberculosis in the predisposed and the cure of the afflicted; and

WHEREAS, Statistics show that there are not nearly enough hospital and sanatorium accommodations for adults and children afflicted with pulmonary tuberculosis or children suffering with tuberculous joint or bone diseases; and

WHEREAS, It has been demonstrated in New York and other cities that discarded vessels lend themselves admirably to transformation into all-year-around hospitals and sanatoria for consumptive adults, sanatoria for children afflicted with joint and other types of tuberculosis, and into open air schools for tuberculous, anemic and nervous children; be it

*Resolved*, That the Fourth International Congress on School Hygiene petitions the United States Government to place at the disposal of the various States of the Union as many of the discarded battleships and cruisers as possible to be anchored according to their size in rivers or at the seashore, and to be utilized by the respective communities for open air schools, sanatorium schools for children, or hospital sanatoria for adults. Be it further

*Resolved*, That the Congress expresses its appreciation to the Italian government of the example it has given by consecrating three of its discarded men-of-war to the combat of tuberculosis. Be it further

*Resolved*, That this Congress expresses the sincere wish that other governments may follow the example of Italy; and be it finally

*Resolved*, That copies of these resolutions be presented to the American and other governments represented at this Congress.

7. The delegates of the Spanish speaking countries who have signed below, have the honor to present a vote of applause and thanks to the Organizing Committee for this, the Fourth International Congress on School Hygiene for placing Spanish among the official languages of this Congress, and propose that the Permanent Committee adopt the Castillian Spanish as one of the official languages for all the future School Hygiene Congresses which may be held.

In the City of Buffalo, the 28th day of August, 1913.

Signed by the delegates from:

Argentine, Chile, Cuba, Guatemala, Honduras, Paraguay, Peru, Santo Domingo, Uruguay, Venezuela.

III. Mr. Eliot then closed the meeting after making a most appropriate reference to the memory of Dr. Arthur T. Cabot, whose early activities developed and supported the American School Hygiene Association and thus made possible this great Congress.

THOMAS A. STOREY,

*Secretary.*

THE FOLLOWING RESOLUTIONS WERE RECEIVED FROM CERTAIN SOCIETIES AND ASSOCIATIONS IN LATIN AMERICA. THESE RESOLUTIONS WERE NOT ACTED ON BY THE CONGRESS

PROPOSICIONES y votos, sometidos a la consideración del Cuarto Congreso Internacional de Higiene Escolar, por los Delegados del Gobierno de la Republica Argentina, Dres *Antonio Vidal* y *Carlos Robertson*:

- A. El idioma español en los Congresos de Higiene Escolar.
- B. Escuelas al aire libre.
- C. Maternología Escolar; Puericultura; Demografía.
- D. Anti-Alcoholismo.
- E. Centros americanos de investigación y bibliografía.

(Algunas de las proposiciones que se insertan en seguida, toman origen de decisiones o iniciativas de corporaciones argentinas de ciencia, como la "SOCIEDAD DE HIGIENE PUBLICA" y la "SOCIEDAD CIENTIFICA ARGENTINA." Otras, guardan conexión más bien con impulsiones partidas de órganos técnico-administrativos de entidad, como el "DEPARTAMENTO NACIONAL DE HIGIENE." Y más de una, en fin, aunque en forma distinta, fué ya considerada en Asambleas o Conferencias de sanidad publica.)

A. *Sobre la Lengua Española en el Congreso.*

Los delegados de países de habla castellana, que subscriben, tienen la honra de presentar un voto de aplauso al Comité permanente y al organizador de este Congreso por haber resuelto incluir el español entre los idiomas oficiales de la presente Asamblea; y proponen que el Cuarto Congreso Internacional de Higiene Escolar mantenga dicha resolución o acuerde recomendarla al Comité permanente para la próxima Sesión y las sucesivas.

ANTONIO VIDAL—CARLOS ROBERTSON.

B. *Escuelas al Aire Libre.*

El Congreso Internacional de Higiene Escolar resuelve: Alentar la creación progresiva de las Escuelas al aire libre, y también de los diversos tipos de establecimientos o de instituciones que se vinculan con esas Escuelas o las complementan, e incitar al mismo tiempo a la transformación material y funcional de las Escuelas comunes, en armonía con los principios científicos que han dado origen a ese movimiento reformador y deben completarlo.

*(Voto que los subscriptos proponen, teniendo muy particularmente en vista los notables adelantos que al respecto tiene ya alcanzados la Escuela Americana (E. U. de A.) y los que con decisión va obteniendo la Escuela Argentina en la Ciudad de Buenos Aires.)*

ANTONIO VIDAL—CARLOS ROBERTSON.

C. *Maternología Escolar; Puericultura; Demografía.*

El IV Congreso Internacional de Higiene Escolar: Teniendo en vista principalmente el desarrollo de la Higiene escolar y pedagógica y el de las obras de protección a la infancia en los países latino-americanos, resuelve estimular las iniciativas conducentes a:

(a) La organización de las obras e iniciativas de higiene infantil y puericultura dentro, en lo posible, de un plan que les coordine y le unifique.

(b) La implantación de los trabajos pedagógicos correspondientes a dichas obras: Maternología escolar; enseñanza de la puericultura; alto cultivo de las ciencias del niño.

(c) La creación de Institutos, integrados, completos, de Puericultura, con fines a la vez, de enseñanza y sociales.

(d) La obtención y coordinación de cifras estadísticas y de datos demográficos relativos a la infancia; y

(e) La producción de estudios comparativos sobre estas materias entre los diversos países.

ANTONIO VIDAL—CARLOS ROBERTSON.

**D. Anti-Alcoholismo.**

El IV Congreso Internacional de Higiene Escolar resuelve:

- 1º Alentar el movimiento científico y social producido ultimamente en algunos países latino-americanos conducente a la represión del Alcoholismo, dentro y fuera del campo de la Escuela.
- 2º Propiciar asímismo la iniciativa tomada por la "Sociedad Argentina de Higiene Pública" para convocar en America una conferencia Internacional de Anti-Alcoholismo; de cuyo programa sería parte esencial la enseñanza anti-alcoholica.

ANTONIO VIDAL—CARLOS ROBERTSON.

**E. Sobre la Instauración en ciudades Americanas de Comités Locales. De Centros de Investigación y Técnica y de Información Bibliográfica en Materia de Higiene y Medicina Escolar; Antropometría, Psicología Experimental y Pedagógica Fisiológica, y un Comité Interamericano de Trabajos y Estudios.**

El IV Congreso Internacional de Higiene Escolar;  
Teniendo en vista la conveniencia en el actual momento científico y pedagógico-social:

- (a) De precisar y uniformar las determinaciones experimentales y prácticas de higiene y medicina pedagógica, de psicología y biología aplicadas a la enseñanza;
- (b) De fijar en acuerdos o convenciones, siquiera sea transitoriamente, para aminorar así los efectos de la disparidad de normas y de criterios, los signos y cuadros, las cifras de límite y de medida, los procedimientos de experimentación y estudio, los valores que deban servir para las operaciones comparativas; etc.;
- (c) De hacer más rápido y fácil que hoy lo es, el conocimiento de las innovaciones y creaciones, de las obras realizadas, en distintas ciudades, colectividades, o naciones americanas, principalmente con relación a la pedagogía fisiológica, científica;
- (d) De proveer a la versión a otros idiomas y a la difusión de indagaciones y estudios de positiva importancia aparecidos en cualquier lengua, propendiendo asímismo al intercambio de libros, de revistas y publica-

ciones, de datos bibliograficos, de formularios, "tests" de toda suerte de elementos de investigación y trabajo; y en fin:

(e) De prestarse entre especialistas y estudiosos que persiguen parecidos fines o recorren direcciones paralelas en la indagación, el apoyo recíproco que solidariza el esfuerzo y protege la producción intelectual;

### EL CONGRESO DE BUFFALO

#### (IV INTERNACIONAL DE HIGIENE ESCOLAR.)

Decide:

1º Organizar, o propender a que se organicen en ciudades donde aun no existen, Asociaciones o centros locales constituidos por las autoridades mas calificadas en las disciplinas convergentes a la higiene escolar y llamadas a llenar esos fines. (Aprovecharase para ello los nucleos ya existentes en diversas ciudades de America: Estados Unidos, Argentina, Perú, Méjico, Chile, etc.)

2º Organizar asimismo un *Gran Comité Interamericano*, encargado de poner en conexión estos diversos centros, de ensayar los medios conducentes a su solidaridad y a la eficiencia del trabajo comun; entre los cuales medios estaran la publicación de una *Revista Técnica Interamericana* de la especilidad.

3º Deferir a la mesa del Congreso la efectuación de estas decisiones incluyéndose las informaciones correspondientes entre las que serán suministradas en ocasión de la próxima Asamblea.

ANTONIO VIDAL—CARLOS ROBERTSON.

NOTA: Las proposiciones que anteceden, de los delegados argentinos, fueron apoyadas por las demás delegaciones latino-americanas.



UNIVERSITY OF BUFFALO—MEDICAL DEPARTMENT

## ENTERTAINMENT DURING CONGRESS WEEK

In planning the entertainment for the delegates and visitors to the Fourth International Congress on School Hygiene, the local committee had but a single aim in view. That was to have every guest feel, when leaving the city, that he or she had enjoyed the stay, and would like to come back to Buffalo, the Queen City of the Lakes, at some time in the future. Whether that purpose was achieved is for the individuals who attended the Congress, the greatest gathering of its kind up to that time, to say. But the people of Buffalo, particularly those who assisted in various ways to make the meeting possible, feel elated over the numerous congratulatory expressions received from delegates.

An epitome of these is embodied in the following brief note sent to the local executive secretary by the secretary to Mr. John D. Rockefeller, who showed his interest in and appreciation of the worth of school hygiene by contributing the sum of \$2,500 toward the necessary expenses: "It was a great meeting—pleased everybody and did honor to Buffalo."



NIAGARA FALLS  
(Fifty minutes from the City of Buffalo)

Entertainment events were arranged so they would not conflict with the more serious business of the Congress. Of course, there were many private functions which did not appear on the program and were not arranged for until after the visitors arrived in the city.

The police of Buffalo, street car conductors, and all others who were likely to come in contact with delegates to the Congress, were instructed to be more than ordinarily careful in directing strangers. The Boy Scouts of the city, banded together under an effective organization, were at the railroad stations, Congress Headquarters and meeting places to perform little services for the guests of the city; and from all reports the boys proved invaluable in many cases. They delivered messages, showed strangers to hotels or private homes where they stopped; and above all did not accept tips, in true Scout fashion.

Places of public interest, such as the libraries, University of Buffalo, the Albright Art Gallery, and the leading clubs, were thrown open to the visitors, and everywhere the same cordial, friendly spirit was shown. Historical points, such as the Milburn home where the late President McKinley died, were pointed out with the necessary explana-



BUFFALO CLUB



TWENTIETH CENTURY CLUB

tion. In fact, everything possible was done to let the delegates feel that they had the keys to the city, not merely in fancy, but in truth.

The first formal social function on the entertainment program took place on Monday evening of the Congress week. This was at the Twentieth Century Club, the leading woman's organization of Buffalo. This club does not merely afford a meeting place for its members and their friends, but has definite aims which are accomplished through lectures, musicales, etc. The prominent men and women of Buffalo's professional, business, social and political life met delegates to the Congress who are equally well known in the respective places from which they come, and a delightful evening, one that long will be remembered by those who were privileged to be there, was spent.

Tuesday afternoon of the Congress week no session was scheduled, and most of the visitors took a trip to the world-famed wonder, Niagara Falls. There they were thrilled and amazed at the appalling greatness of the mighty waterfall and the terror of the whirlpool.

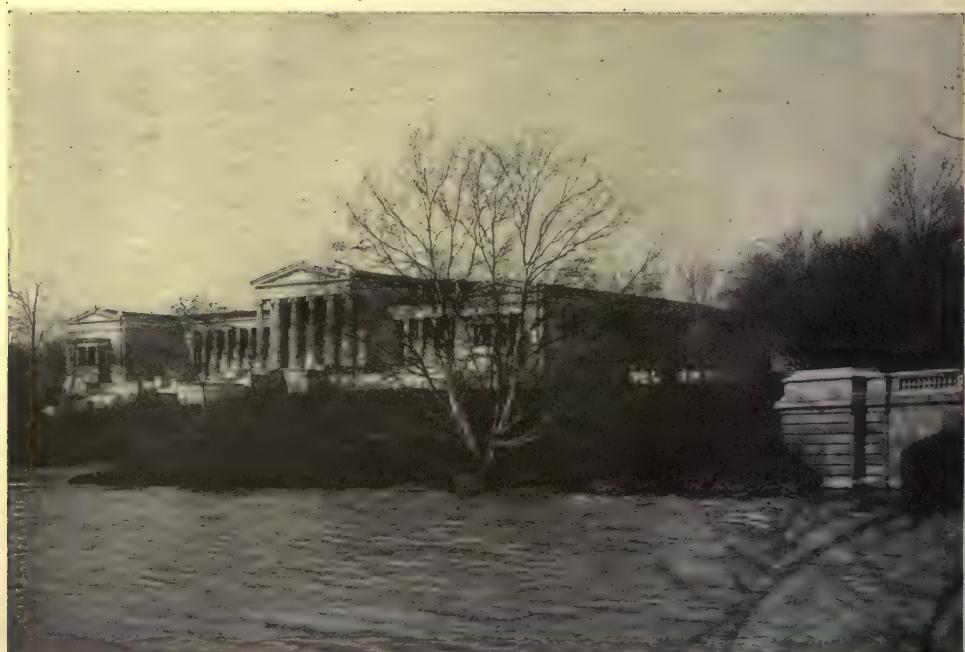
The next evening, Wednesday, a demonstration was given in the armory of the Seventy-fourth regiment that pleased the thousands



COUNTRY CLUB



UNIVERSITY CLUB



ALBRIGHT ART GALLERY



PUBLIC SCHOOLS—A GROUP OF TARANTELLA DANCERS (ITALIAN)



PUBLIC SCHOOLS—NATIONAL DANCE OF ITALY



PUBLIC SCHOOLS—OUTDOOR RECESS

attending. If the strangers in the city were surprised at its merit, they enjoyed a feeling that was shared by the Buffalonians who saw it. Never in the history of the city was such a magnificent entertainment produced by the school children. Local singing organizations provided the musical part of the program. The Boy Scouts demonstrated some of the things they had been taught, and the Camp-fire Girls did likewise. Boys from the Public School Athletic League played all kinds of games, and youngsters from the playgrounds of the city, costumed to represent the various nations that had delegates at the Congress, participated in folk dances. The applause that was bestowed upon the participants spoke more eloquently of the approval of the spectators than could anything that might be said here.

On Thursday afternoon sight-seeing trips were arranged. Many of the visitors inspected some of the manufacturing establishments of the Niagara Frontier, including the largest soap factory in the world; one of the greatest steel plants in the country; the largest packing house in the eastern United States; an immense automobile manufacturer, etc.

The locks at Black Rock, a section of Buffalo, which are the largest inland locks in the world, were inspected by others of the visitors. Some saw one of the longest breakwaters in the world, and others watched the men at work on the barge canal improvement, which comprises



PUBLIC SCHOOLS—A GYMNASTIC LESSON IN THE OPEN AIR



PUBLIC SCHOOLS—AN IRISH LILT



PUBLIC SCHOOLS—A FIGURE OF THE MAY POLE DANCE

the enlargement of the Erie Canal to the proportions of a 1,000-ton barge canal. In many respects this engineering undertaking is of a greater magnitude than the building of the Panama canal.

The Albright Art Gallery, public libraries, historical places, including Fort Porter and Fort Erie, in Canada, and a famous Indian cemetery, were visited by others. In the evening of the same day there was a reception at the University Club in honor of Dr. Charles W. Eliot, president of the Congress, and the occasion is one that long will be remembered by all there. In the history of Buffalo it stands out as a remarkable gathering. The club, in which only university men are admitted to membership, has had many notable gatherings, but none equal to the one graced by the presence of Dr. Eliot.

On the following evening there was another elaborate reception for the delegates at the Buffalo Club, the most exclusive of the city. On Saturday afternoon, the closing day of the Congress, the playground children gave a demonstration of games and drills at the Front, one of Buffalo's riverside parks. A program of rare excellence was carried out, much to the satisfaction of all who saw it. An entire section of seats was reserved for Congress delegates. The afternoon started with threatening weather, but the skies soon cleared and before two numbers had been carried out, all the seats were taken and standing room was hard to secure.

Daily, while these other events and the business sessions were going on, receptions and dinners in honor of distinguished visitors were held in homes of prominent people and at hotels.

If the men and women who attended the Fourth International Congress on School Hygiene were entertained in a way that was pleasing and had an enjoyable time while in Buffalo, the residents of the city also enjoyed it all. The memory of the meeting is one that will last, ever bringing happy, retrospective thoughts to the minds of those who had the opportunity of meeting the delegates who came to Buffalo.



PUBLIC SCHOOLS—A GROUP OF INDIANS



## SCIENTIFIC EXHIBIT GENERAL FEATURES

One of the most prominent individual features of the Congress was the objective display. It was shown in the Broadway Auditorium, Buffalo, and occupied the entire floor space. This hall has a seating capacity of eight thousand on the floor and four thousand in the galleries. The seats from the main floor were removed, the hall laid out in sections with broad aisles, along which three-sided booths were erected. These booths were eight feet high and raised two feet above the floor.

Two smaller halls, each with a floor space of over seven thousand square feet, adjoining the former, were likewise used; one for additional exhibits and the other for stereopticon lectures.

Owing to the possibility of extreme heat at this season of the year, the lecture hall was especially equipped for this occasion with a modern ventilating system, by which the air could be changed every three minutes.

The large hall was beautifully decorated with bunting, and flags of all nations, shrubs, evergreen trees and flowers. No objectionable signs, placards or legends were permitted. The whole presented a most beautiful and attractive appearance.

The halls were open daily, during the Congress, from 9:00 A. M., until 10:00 P. M. Admission was free.

Among the equipments were rest rooms, public comforts, restaurants, telephones, and a branch post-office in charge of a regular Post-Office employee, so that visitors could obtain their mail. Messenger service by Boy Scouts, who were very ready to perform any errand, added to the many conveniences. The Scouts had a beautiful tent and other equipment illustrative of their object. A tent by the Campfire Girls, and material showing their work and object, was another feature.

The nature of the Scientific Exhibit was indicated in the announcement of the Committee. It barred all material which had for its primary purpose the advertising, for pecuniary gain, of any apparatus, supplies, furniture, schools or establishments of any sort. The Committee had likewise reserved its right to reject any exhibit which, in its judgment, did not comply with these rules. So well was this request followed that the Committee was not called upon to order a single exhibit removed.

The preparation and advance work occupied an entire year. The greatest possible latitude was allowed exhibitors. No set plan was followed. Everyone was allowed to present his subject, work or ideas, in his own way. The result was most satisfactory. People from every part of the country, and from many foreign countries, presented their material according to the plans which they were following in their own localities, rather than made them conform to stereotyped requirements. This was especially valuable for comparison.

Scientists, educators and all others interested in the work of the Congress, could thus see what is being done along the same lines in various parts of the world. It also preserved the individuality of the exhibitor.

Pictures, photographs, legends, charts, models, books, cards, pamphlets, manuscripts, work of pupils, work of defectives, school cleaning, school feeding, penny luncheons, food, school architecture in drawings, plans and models, as well as all the recent improvements in the various branches advocated for the benefit of school hygiene, were shown.

Several clinics were held; those most patronized, and perhaps most popular, being the Psychological Clinic, Dental Clinic, and Clinic on Sex Hygiene.

A fine display was made on work for the prevention of blindness and conservation of vision, in connection with which was also a working industrial exhibit of blind pupils.

Special mention should be made of the wide distribution of exhibits, which came from nearly every State and every large city in the Union, and from many foreign countries.

It would be difficult to individualize among so many. To give special mention of worth would be to enumerate all. Every exhibit, large or small, had a special value in its own sphere.

A detailed list is given in the appended table of the exhibitors and exhibits.

The Scientific Committee consisted of Dr. Fletcher B. Dresslar of Nashville, Tennessee; E. G. Routzahn of New York, and Dr. Franklin C. Gram of Buffalo. As Dr. Gram was the resident member of the Committee, all the local work fell to him. This consisted in preparations for reception, installation and returning of exhibits. The correspondence in connection with this work was enormous. At least one letter had to be written and detailed instructions sent to each exhibitor, and in many instances repeated correspondence was necessary, as conditions arose requiring special attention according to individual necessities.

So carefully was everything planned that there was no confusion. Dr. Gram had every exhibit assigned in advance to the space it was to occupy; consequently when an exhibit arrived it was taken to its place and installed, the containers and crates marked and stored, so that they were easily available for reshipment.

How well this work was done is shown by the fact that at five o'clock on the Sunday morning following the close of the Congress, Dr. Gram and his men started the work of dismantling, and before six o'clock of the same evening the entire exhibit had been delivered to the transportation companies and was on its way home.

No complaints were made of losses, showing that every exhibitor had all his goods returned.

Mr. Randolph McNutt of Buffalo, had charge of the Commercial Exhibit, and Mr. Charles Rohlfs, of Buffalo, gave valuable assistance for both branches. A complete list of the scientific exhibits follows:

NOTES ON THE SCIENTIFIC EXHIBIT OF THE FOURTH  
INTERNATIONAL CONGRESS OF SCHOOL HYGIENE,  
BUFFALO, N. Y., AUGUST 25-30, 1913

(Arranged Alphabetically by Names of Exhibitors.)

Prepared by

W. CARSON RYAN, JR.,

Bureau of Education, Washington, D. C.



FIGURE 2

AMERICAN ACADEMY OF MEDICINE,  
NEW YORK CITY.

*Janitor Service.* "Health habits educate more than health maxims." Panels showing the importance of standardized janitor service, in order that the health precepts taught in the school may be practiced in the school. The Academy urges that the so-called "school diseases," anemia, catarrh, and nervous disorders, are invited by dusty, overheated, arid, or stagnant air. "The school house keeper is responsible for the health of hundreds, the home housekeeper only for a family; why train home housekeepers and not janitors?"



FIGURE 3

AMERICAN FEDERATION FOR SEX HYGIENE,  
NEW YORK CITY.

Charts and placards showing prevalence of venereal diseases, results of hereditary syphilis, laws on prostitution, and suggested methods for proper instruction of the growing child in the hygiene of sex.

An outline of the proposed plan of instruction is in part as follows:

*Early Adolescence (Age 12-16 Years).*

I. Nature Study and Biology:

1. Reproduction in plants.
2. Reproduction in the lower forms of animal life.
  - (a) Species in which the care of the young is absent.
  - (b) Those in which love and care of the offspring is evident.
  - (c) Significance of parental love in animal life.

- (d) The mating of animals and its relation to the care of the young.
- (e) The higher the animal in scale of life, the greater the helplessness at birth and the more love and care needed.
- (f) The human body the most helpless of all animals, needing the greatest love and the longest parental protection and care.

## II. Adolescent Love:

- 1. Its influence, if properly directed and controlled, can not fail of good.
- 2. It should be studied as portrayed in the works of the great literary artists in poetry and the novel.
- 3. The feeling of chivalry and honor and respect for women is to be zealously cultivated. Biographies of great women and knightly great men should be read by boys and girls.
- 4. Emphasis must be laid upon the responsibility of brothers and sisters for one another's welfare; also by the boys' obligation to protect other boys' sisters.
- 5. Expression of adolescent sex love in the form of enthusiasm for art, for altruistic social activities, for favorite intellectual pursuits, are to be encouraged along common-sense lines.

## III. Personal Hygiene:

Hygiene and care of the reproductive organs and sex function as sacred obligations.

- 1. The relation of sex control to the health of the individual and of his or her offspring.
- 2. The danger of abuse of the sex function, and the results upon the nervous system, including the brain and spinal cord.
- 3. The importance of properly regulated food, of exercise and play, of physical fatigue (not exhaustion), of mental occupation, of early rising, of cold bathing, of sleeping in a cold room as means of control of sex feelings.

4. The influence of drugs (alcohol, tobacco, opium, cocaine) upon laws of sex control.
5. The significance of sex in human life in the light of plant and animal development as already studied.

#### IV. Amusements:

1. A careful choice of social pleasures and their environment is essential to moral health.
2. The wholesome meeting of boys and girls is the only safe preliminary basis for mature friendships and marriages.
3. Suggestive shows, posters, and books, also saloons and dance halls, go far toward nullifying the slipshod and careless home efforts.
4. Suggestive posters and pictures make the work of the unhygienic book, theatre, saloon, and dance hall very easy.

#### *Later Adolescence (Age 16-25 Years).*

##### I. Biology:

1. A further study of the science of reproduction and its application to human life. Human embryology and heredity.
2. Animal breeding and its influence in the production of superior qualities in the animals.
3. Human inheritance and its bearing on family histories.
  - (a) The inevitable result of the marriage of defectives.
  - (b) The inevitable result of the marriage of the most fit.

##### II. Sex Hygiene:

1. The relation of individual chastity to the moral and physical health of the individual and his or her unborn child.
2. The social diseases: Their nature, contagiousness, far-reaching effects, and their danger to the innocent.

##### III. Sociology:

The ultimate effects of unfair social relations, of the double standard of moral and physical health for the two sexes, of prostitution, and of the diseases consequent upon immorality.

*The Methods of Teaching Sex Hygiene.**Period of Parenthood.*

Through an intelligent use of the family physician as the natural instructor of the home in sex matters. The feeling of responsibility will ennoble and furnish a new sanity and health to home happiness and morals.

Through sane literature on the subject of sex hygiene, meaning by this term the healthy and reverent use of the sex function with a view to the future welfare of the individual and of his or her posterity.

Through schools yet to be established for the deliberate, intelligent training of parents and school teachers.

Through traveling exhibits, such as are possible through the instrumentality of the State societies of social hygiene or of the American Federation for Sex Hygiene.

Through lectures by physicians and by others fitted by nature and by training to teach.



FIGURE 4

Through deliberate measures on the part of heretofore negligent municipal and Federal authorities to awaken a slumbering people to the imminence of the danger and the means of prevention and cure.

Through a realization of the fact that the sex function is a sacred trust, not a plaything; a talent for reverent use by loyal citizens, not a means to the undermining of the health and life of the people.

AMERICAN HOME ECONOMICS ASSOCIATION,

UNIVERSITY OF PENNSYLVANIA.

*Panels Illustrating Spread of School Feeding Movement.*

School feeding began in Germany in 1790, France 1849, Great Britain 1866, and in the United States in 1895. Seventy-seven cities in this country now maintain school lunches (1912). Lunches are also served regularly in special and open-air classes in a number of cities, among them being Philadelphia (special class); New York (under-nourished children); Syracuse (open-air school); Newark (open-air school); Cleveland (fresh-air class); Buffalo, N. Y. (open-air school). The claim is made that 10 per cent. of the children in our cities suffer from malnutrition.

Children in the cities of New York, Chicago, Philadelphia, Boston, St. Louis, Baltimore, Cleveland, and Pittsburg spend a total of \$1,564,000 for lunches every year. This amount will buy on the street the equivalent of 81 million calories of food value; while at the school lunch it will purchase 178 million calories. Typical school and street luncheons are compared as follows: School lunch, consisting of cocoa and whipped cream 3 cents, egg sandwich 4 cents, banana 1 cent, four dates 1 cent, three cookies 1 cent, gives a total of 700 calories food value for 10 cents; while in the street three crullers and a cup of coffee, costing 10 cents, only furnish a food value of 250 calories.

High school children in Philadelphia spend \$92,000 for lunches; in St. Louis, \$57,423; in Boston, \$52,721; in Rochester, \$18,760. The cost of kitchen administration for Boston, Mass. and Bradford, Eng., are contrasted as follows:

	Food Per Cent.	Delivery Per Cent.	Labor Per Cent.	Rent Per Cent.	Other Expenses Per Cent.
Boston.....	54.2	4.2	32.4	1.4	7.8
Bradford (Eng.)...	54	17.6	18	2.2	7.5



FIGURE 5

AMERICAN MEDICAL ASSOCIATION,  
NEW YORK CITY.

*Department of Conservation of Vision.* Charts showing accidents to eye in certain industries; photographs emphasizing dangers to eyes from industrial accidents, "unloaded" air gun, fireworks, etc. "In 1910 there were 20,000 eye accidents in industry. Of these 1,200 caused blindness; many more caused impairment of vision."

AMERICAN MUSEUM OF NATURAL HISTORY,  
NEW YORK CITY.

Large photographs illustrating danger of house-fly, mosquito, and other insects. Bacteria of decomposition. Prevention and spread of disease. Health albums for use in the public schools of New York City.

These health albums are for use in connection with the work in civic biology. One is entitled "Bacteria: Their Work in the World." It illustrates bacteria in their various relation to the life of man. Four of the panels show how certain bacteria cause disease when spread in

water and milk. Another illustrates the relation of bacteria to decomposition of the practical methods by which it may be controlled. Another shows how bacteria are utilized in the arts and industries; and still another illustrates the important part played by bacteria in agriculture through the fixation of atmospheric nitrogen. This album is accompanied by a case of bacterial cultures showing how mass growths look, how bacteria alter the substances in which they grow, and how the number of germs in water, milk, and air may be determined.

Another health album is: "Transmission and Prevention of Communicable Disease." It contains 15 photographs, showing some of the principal disease germs and their sources; the sick person and the carrier; six common ways by which disease germs spread; polluted water and milk; the filth fly; the common drinking cup, and forms of contact infection. Finally the prevention of disease is illustrated by pasteurization, use of the individual drinking cup, care of mouth, cleanliness of utensils and hands, fresh air, and wholesome exercise.

DR. J. H. BARACH, DR. WILSON L. SAVAGE AND DR. W. L. MARKS OF THE CARNEGIE INSTITUTE OF TECHNOLOGY, PITTSBURGH.

*Effects of Athleticism and "Over-athleticism."*

Study of Participants in a Regular Marathon Race.

(40 kilometers—24.85 miles.)

In this race 55 started, 29 finished. The average time was 3 hours 48 minutes; the best time made, 3 hours 14 minutes. The run included four hills of 510 feet, 310 feet, 120 feet, and 190 feet respectively. A heavy rain delayed the runners. The ages ranged from 18 to 52 years; more than half were under 23. The ages of those who finished were: 18 years, five; 21, three; 22, four; 36, three. The average height of the 55 contestants was 5 feet, 6.4 inches. The average weight was 140 pounds. There was an average underweight from training of 6.4 pounds, as compared to normal 3.6 pounds.

Previous experience: Of those who had never run before, 5 out of 6 finished; of those who had run once, 9 out of 15 finished; of those with two runs to their credit, 3 out of 8 finished; of those who had run the race more than twice before, 11 out of 20 finished.

Effects of the race: Blood pressure fell 20 per cent. after the finish. The heat-murmur cases showed the greatest fall in pressure. Ten days after the race the blood pressure was lower than before the race. Immediately after the race X-ray examination showed that 11 out of 14 men

examined had dilated heart; 2 ran but 11 minutes without dilatation; 1 ran the full distance without dilatation. One week after the race 11 men were examined. In 9 cases the heart was smaller than before the race; in 2 cases hearts were the same as immediately after the race.

**Diet:** Out of 55 entered there were 6 vegetarians, one of whom was disqualified.

"From our observation it appears that the athlete most likely to withstand this form of severe exertion is one between 18 and 25 years of age. He will be less than average height, and underweight. He will have a light upper body, a relatively large chest capacity, and well-developed legs. He must have a sound heart, healthy lungs, and a well-developed diaphragm. His training should have continued for 9 months or longer. During training he must be temperate in habits and moderate in diet. Our observations show that the greatest injury comes to those who are insufficiently and improperly trained. We are also convinced that the successful running of this race is really beyond the realm of the average amateur athlete."

#### BOSTON HEALTH DEPARTMENT.

Charts and placards showing the scope and duties of the division of child hygiene in its relation to the child, the home, and the community. Plans of school buildings.

*The Division of Child Hygiene* is concerned with the physical welfare of every child in Boston, from the time of conception up to the age of 16 years. The work of this division is classified into three sub-divisions, as follows:

1. Pre-natal and post-natal.
2. Medical inspection of schools.
3. Physical examination of licensed minors.

Physical examination of school children for the year 1912-13 showed the following results:

Total number of pupils examined.....	121,832
Total number of pupils without defects.....	52,499
Total number of pupils with defects.....	69,333

The defects noted were:

Mental deficiency.....	391
Defective nasal breathing.....	9,174
Hypertrophied tonsils.....	24,720
Defective teeth.....	60,709
Defective palate.....	366
Cervical glands.....	11,370

## Pulmonary disease:

Tuberculous.....	66
Non-tuberculous.....	1,165
Cardiac disease.....	2,796
Nervous disease.....	303

## Orthopedic defect:

Tuberculous.....	103
Non-tuberculous.....	3,154
Skin disease.....	3,768
Ricketts.....	644
Malnutrition.....	2,620

## BOY SCOUTS OF AMERICA.

Tent and other equipment; badges, emblems, general data of the organization; its health work, etc.

## BUFFALO—DEPARTMENT OF HEALTH.

Photographs, models, apparatus, trophies, etc., illustrating: Medical supervision, reports of medical examinations and school nurse, open-air schools, vocation schools, domestic science, etc.

*Medical Supervision.* Medical school inspection in Buffalo is divided into 4 general divisions: (1) Prevention of communicable diseases; (2) Detection and removal of physical defects; (3) Child psychophysiology; (4) Sanitary condition of the school buildings and environments.

The following is a resumé of some of the work:

## REPORT OF MEDICAL SCHOOL EXAMINER, YEAR 1912.

## PHYSICAL EXAMINATION.

		TOTALS
Number examined.....	Boys..... 24,727 Girls..... 23,263	47,990
Nutrition.....	Boys..... 392 Girls..... 468	860
Anemia.....	Boys..... 459 Girls..... 617	1,076
Enlarged Glands.....	Boys..... 789 Girls..... 623	1,412
Goitre.....	Boys..... 33 Girls..... 106	139
Nervous Diseases.....	Boys..... 98 Girls..... 116	214
Cardiac Disease.....	Boys..... 111 Girls..... 112	223

			TOTALS
Pulmonary Disease.....	Boys.....	80	
	Girls.....	74	154
Skin Disease.....	Boys.....	247	
	Girls.....	387	634
Defect, Orthopedic.....	Boys.....	128	
	Girls.....	84	212
Rachitic Type.....	Boys.....	62	
	Girls.....	81	143
Defect of Vision.....	Boys.....	1,763	
	Girls.....	2,042	3,805
Other Diseases of Eye.....	Boys.....	210	
	Girls.....	231	441
Defect of Hearing.....	Boys.....	200	
	Girls.....	140	340
Discharging Ear.....	Boys.....	54	
	Girls.....	81	135
Defect of Nasal Breathing.....	Boys.....	1,259	
	Girls.....	723	1,982
Defect of Palate.....	Boys.....	58	
	Girls.....	73	131
Defect of Teeth.....	Boys.....	12,032	
	Girls.....	11,204	23,236
Hypertrophied Tonsils.....	Boys.....	3,197	
	Girls.....	3,239	6,436
Adenoids.....	Boys.....	344	
	Girls.....	233	577
Mentality.....	Boys.....	124	
	Girls.....	72	196
Treatment Advised.....	Boys.....	1,194	
	Girls.....	1,080	2,274

*School Nurse.* School nurses in 1912 made 1,703 school visits and 2,014 home visits, of which 600 were contagious and 1,414 non-contagious cases. Total inspections were 19,411.

Treatment or instruction was given as follows: Pediculosis, 1,364 cases; ringworm, 40; favus, 13; scabies, 184; impetigo, 470; skin, 1,201; eyes, 1,398; ears, 564; vaccinations, 379; miscellaneous, 2,381; dispensary, 43.

#### BUFFALO—DEPARTMENT OF EDUCATION.

##### I. GYMNASTICS:

1. Charts showing correct and faulty postures with explanations.
2. Pictures of Gymnasia showing equipment.
3. Pictures showing classes in action—in-doors.
4. Pictures showing classes in action—out-of-doors.
5. Swimming pools.
6. Pictures showing instruction in swimming.



FIGURE 6

II. PUBLIC SCHOOL ATHLETIC LEAGUE:

1. Trophies and cups.
2. Pictures, panoramic, of meets.
3. Pictures of separate events.
4. Printed charts showing object and plan of organization.

III. DOMESTIC SCIENCE:

1. Charts, pictures and exhibits of practical work, including cooking for invalids.

IV. OPEN AIR CLASSES:

Booth representing "rest hour" with sleeping model showing the complete outfit.

Pictures showing various activities, study, exercise, dinner hour, tooth brush drill, "weighing in," etc.

V. OUT-DOOR SUMMER SCHOOL FOR SICKLY CHILDREN:

Pictures showing various activities.

## VI. CLASSES FOR THE MENTALLY SUBNORMAL:

1. Blank forms used.
2. Pictures: (a) sewing lesson, (b) basketry class, (c) Binet test, (d) learning to tell time, (e) finished drawing lesson, (f) arithmetic lesson in fractions, (g) showing gain in coördination, (h) making a rug, (i) a school-room occupied by a special class, etc., etc.
3. Results from manual training class.
4. Results from the sewing-room.

## VII. PHYSICAL EDUCATION:

## Pictures of drills, folk dances, lessons in hygiene.

## Out-door and in-door exercises.

### VIII. THE NIGHT SCHOOLS:

1. Charts descriptive of night schools.
2. Pictures showing the nationalities and activities represented in the night schools.
3. Lettered cards showing the need of hygienic conditions in night school—better air, better light, more comfortable seats, rest periods.
4. Inscriptions to inform the public of possibilities of night schools as centers of hygienic education, with the idea of reaching the homes most in need of such instruction.

## BUFFALO SOCIETY OF SANITARY AND MORAL PROPHYLAXIS.

### *Statistics of Venereal Disease in Buffalo.*

	CASES
Reported by 123 Physicians.....	1,113
Estimated by 330 Others.....	2,983
Treated by Patients.....	794
November, Total.....	4,890
In 1911 (Estimated).....	14,423

There were also direct infections of children under 16 years:

	CASES
Reported by 122 Physicians.....	85
Estimated by 330 Others.....	178
Total.....	263

## BUFFALO YOUNG MEN'S CHRISTIAN ASSOCIATION.

Photographs and tables showing educational and athletic activities of the organization, growth in Buffalo, etc.

## CAMPFIRE GIRLS OF AMERICA.

Camping outfit, badges, posters, etc., illustrating the work of the organization.

CHICAGO BOARD OF EDUCATION,  
HEALTH DEPARTMENT AND NORMAL COLLEGE.

Photographs, charts, statistical tables, etc., illustrating: Department of Child Study and Educational Research; schools for crippled children; classes for deaf children; schools for the blind; open-air rooms; other sub-normal classes, including defective speech classes, ungraded adult classes, parental school, etc. Also pictures showing physical education and playgrounds, school gardens, types of school buildings, problems of ventilation, penny lunch, etc.

*Child Study.* The Department of Child Study and Educational Research of Chicago has been in active operation since 1898. The department acts as a bureau of investigations of child life and teaching. "Children requiring special care or special training, and problem cases, are examined by the department and sent to schools, centers, classes or divisions where they may receive the necessary hygienic treatment and adaptable education."

The following is a table of cases examined from July 1, 1912 to June 30, 1913:

Blind or Defective Vision.....	189
Deaf or Defective Hearing.....	103
Crippled.....	68
Truants and Incurables (at office).....	49
Truants and Incurables (at Parental School).....	486
Sub-normals.....	401
Defective in Speech (persistent cases only).....	79
Tuberculous (not including Anemics).....	20
Epileptics, most aggravated cases only.....	21
Children with Constitutional Depletion, Nervous Disorders, or Particular Physical Defects.....	744
Special cases: Unusually Bright Children, Moral Delinquents, Mental Aberrants.....	207
Feeble-minded.....	47
Total Number of Children Examined.....	2,416
Number of Re-examinations.....	789
Total Examinations.....	3,205

The enrollment in special schools and classes for 1912-13 is as follows:

Classes for Deaf.....	303
Classes for Blind.....	55
Schools for Cripples.....	198
Defective Speech Classes.....	2,332
Open Air and Low-temperature Rooms.....	367
Sub-normal Classes.....	820
Adult Classes Ungraded.....	328
Apprentice Schools.....	590
Parental School.....	825
John Worthy School.....	333
Juvenile Court School.....	2,937
Industrial Classes, Truant.....	334
Vacation Schools.....	16,207
Evening Schools.....	26,963

*Open Air Schools.* There are at present in the Chicago public school system 4 open-air and 6 open-window or low-temperature schoolrooms. The open-air rooms are conducted upon roofs, with little other than over-head protection, while the open-window rooms are in regular school buildings, with the rooms and conditions adapted to meet the needs of under-nourished and tubercular children. In the summer term these children are taught out of doors in tents erected in the school yard at the various schools.

*School Lunches.* Three penny lunch centers have been in operation in Chicago since December, 1910. During the school year 1910-11 the entire expense of these luncheons was borne by the Board of Education, but in November, 1911, the Permanent School Extension Committee of the Women's Clubs undertook their management. A suitable room, with janitor service, one paid attendant, and a complete equipment are provided by the Board of Education. The School Extension Committee provides a trained supervisor who purchases the foods, plans the meals, and sees that they are properly cooked and served. At each center volunteers from the various women's clubs assist in serving the luncheons. The following menus have been served during the past year on successive days: Cocoa, bread and syrup; vegetable soup, bread and jam; meat, soup, bread and syrup; split pea or bean soup, bread and syrup. Due regard is paid to national tastes or religious requirements.

*Sex Hygiene.* By resolution of the Chicago Board of Education, "Specialists in sex hygiene who lecture in simple yet scientifically correct language are to be secured to give during the year 1913-14 a course of

3 lectures on sex hygiene in each of the 21 high schools, the pupils to be grouped in reasonable numbers, boys and girls separate; provided that all pupils who bring notes from their parents asking to have them excused shall be excused; that after December, 1913, the lectures be limited to first year classes in hygiene or biology."

Part of the original resolution also provided for certain sex instruction to children in groups in the middle and upper grades of the elementary school, but action on this has been postponed to await the result of the experiment with high school pupils. The Chicago Board has also provided for appropriate sex instruction through paid lecturers to parents of school children.

#### CINCINNATI—DEPARTMENTS OF HEALTH AND EDUCATION.

Statistical tables, charts, etc., showing results of school hygiene work in Cincinnati since 1909, especially: Division of child labor, anti-tuberculosis campaign by means of open-air schools, etc.; penny lunch association; The University of Cincinnati and its co-operation with the city in the psychological clinic and special courses; results of medical inspection; mouth hygiene; free dental clinics; home-nursing.

*Medical Inspection.* The Bureau of Medical Inspection and Relief is organized with the following officers: Chief School Inspector, with a salary of \$1800; 16 district physicians, 11 on full time and 5 on part time, to whom a total salary of \$18,275 is paid; 14 school nurses, \$10,920; 1 chief dental inspector, \$1,500; 4 dental operators (part time), \$2,000; 2 clinical assistants, \$1,100; 1 clerk infectious diseases, \$1,000; 1 clerk tuberculosis records, \$800; fumigator, \$900; 1 chief medical inspector and assistant health officer, \$2,750. Their functions are: School inspection, medical relief of the poor, surveillance of infectious diseases.

The hours of medical inspection are: 9-12 A. M., and 2-3 P. M. 22 public schools and 35 parochial schools, a total of 57, have medical inspection only, without the school nurse. In 43 public schools and 12 parochial, a total of 55 schools, both doctors and nurses are employed. The average number of pupils for each nurse is 2,350.

During the period from Sept. 10, 1912 to June 19, 1913, the school doctor handled the following:

Excluded on Account of Infection Disease or Contact.....	113
Inspected After Four Days Absence.....	6,381
Examined but not Needing Treatment.....	13,537
Received for Treatment.....	14,679
Total Number of Examinations of Children.....	35,578

In the same period the school nurses' activities were as follows:

Number of Cases Referred to Nurses.....	8,874
Treated by Family Physician.....	1,985
Treated by Clinics and Hospitals.....	2,902
Pediculosis and Minor Cases Treated by Nurses.....	2,811
Cases Refused Treatment and Pending.....	1,076
<hr/>	
Total.....	8,774

School Treatments Given.....	8,053
Home Visits.....	4,731

"The nurse is the connecting link between school and home."



FIGURE 7

A survey of 36,438 pupils in public schools, April 21 to June 6, 1913, showed:

	Number	Per Cent.
Tuberculosis.....	84	.23
Pretuberculous.....	505	1.38
Simple Anemia.....	1,030	2.83
Total Anemic.....	1,619	4.44
Mentally Retarded.....	857	1.80

• This is used as an argument for (1) More air-open schools and low-temperature rooms; (2) New school for mentally deficient children.

Among defects diagnosed by school physician were: Defective vision, 2,135; diseases of the eye, 298. Of these 1,092, or 44.9 per cent. were corrected by glasses and treatment. Hypertrophied tonsils, 2,692 cases noted; operative, 642, medical, 650—1,292, or 48 per cent. Defective teeth, exclusive of dental inspection, 1,754; cases finished, 1,002, or 57 per cent. Medical and surgical miscellaneous, 1,996, treated 1,001, or 75 per cent. Children inoculated against smallpox, September 10 1912—June 19, 1913, 4,686; of these 97.3 per cent. were successful. 52 were unsuccessful and 76 unknown.

*Mouth Hygiene.* Mouth hygiene is supervised in Cincinnati through a co-operative arrangement between the Cincinnati Dental Society and the Board of Health. The Board of Health provides a chief dental inspector, four dental operators, and two clinical assistants. The Dental Society furnishes 56 dental inspectors and 39 lay volunteers. The number of children examined in different years was: 1,909, 920; 1910, 4,594; 1911, 8,432; 1912, 12,660.

### *Operations.*

	1910 Sept.-Dec.	1911 10 Mos.	1912 10 Mos.	1913 Jan.-July
Fillings.....	763	2,654	1,789	3,952
Treatments.....	334	1,335	1,455	1,720
Cleaning.....	192	515	476	1,047
Crowns.....	3	10	8	8
Extractions.....	256	790	961	1,555
Total Operations.....	1,548	5,214	4,689	8,282
Number of Cases.....	210	790	972	1,379

### *Follow-up Work—First Intermediate School.*

Number Inspected.....	664
Number Defects.....	74
Treated at Dental Clinic.....	125
Treated by Family Dentist.....	290
No Treatment.....	120
Withdrawn From School.....	55

### *Highland School.*

Number Inspected.....	326
No Defects.....	22
Treated at Dental Clinic.....	99
Treated by Family Dentist.....	116
No Treatment.....	8

*Expenses of the Free Clinic.*

	1910 Sept.-Jan.	1911	1912	1913 Jan.-July
Equipment.....	\$518.78	\$10.25	\$13.63	\$541.71
Salaries.....	526.00	1,445.00	1,674.00	2,510.82
Supplies.....	74.97	151.00	112.39	283.84
Office.....	77.47	78.50	74.27	46.17
Education.....	93.80	11.40	104.80	5.05

*Open-air Schools.* A woodland school for pretuberculous and anemic children is maintained by the Board of Education for children of grades 1 to 5. The school was established in 1911 on the principle that "Education without health is useless." The cost has been 19 cents per pupil per day. Children with tubercle bacilli insputum are not admitted to this school.

In the regular open-air school, the Board of Health furnishes a nurse and medical director and equipment for 25 pupils. That building cost \$1,266 and the equipment \$600. The average cost for maintenance was \$2.35 per week per child. Temperature, pulse, and respiration are recorded daily at 8 A.M. and 3 P.M. Haemoglobin tests are given upon admission and whenever indicated. The treatment includes a warm, cleansing bath and cold showers daily (special cases excepted). It is significant that on Friday the pupils show a marked gain, and on Monday a slight loss. The children are fed inspected milk and crackers, morning and afternoon. There is a dinner, with a specified menu for each day, prepared by the domestic science department. The total expense per child for food is 17 cents.

From September 10 to June 6, 1913, the average gain per pupil in weight was 6.2 pounds. Every child gained in weight. Two girls gained 12 pounds, 12 ounces; 1 girl 11 pounds, 12 ounces; another, 10 pounds, 12 ounces, and another 9 pounds, 10 ounces. The average daily attendance, 1911-12, in the open-air school was 96.9, as compared with 95.4 in a typical elementary school of the regular type.

*School Lunches.* School lunches in Cincinnati are in charge of "The Penny Lunch Association," whose members are: The Civic League, the Council of Jewish Women, and the Civic Department of the Woman's Club. Eleven penny lunch rooms are maintained in congested districts. The kitchen equipment and the pay of the cook are provided by the Board of Education. "Once started, the penny lunch room is self-sustaining," according to the Cincinnati experience. A different menu is provided for each day of the week. The benefits, as observed in Cincinnati, are: The penny lunch improves general health and increases mental efficiency; the child learns to appreciate the value of good food and dissemin-

nates the knowledge of selection and preparation of wholesome food in the home. In the Pioneer penny lunch room, established 1908, 650 penny luncheons are served daily.

*Child Labor.* The Division of Child Labor reports 2,366 children granted work certificates in 1911-12. The year before, 2,800 such certificates were granted, and in 1909-10 3,348 work certificates were issued. As to the nature of the occupations of children who leave school to go to work: 33 per cent. went into factories (20 per cent. shoes); 22.5 errands; 13.5, stores; 8.7, sewing; 6.8, at home; 1.9, office; 1.1, housework; 10.5, miscellaneous. Of the 2,366 children who began work in 1911-12 39, or 2.9 per cent. had finished 9 or 10 grades of school; 216, or 15.8 per cent. had finished 8 grades; 296, or 21.7 per cent. had finished 7 grades; 387, or 28.4 per cent., 6 grades, and 425, or 31.2 per cent., 5 grades. These are the figures for public schools. For parochial schools the figures are: 18, or 1.8 per cent., grades 9 or 10; 234, or 23.3 per cent., 8 grades; 296, or 29.5 per cent., 7 grades; 247, or 24.6 per cent., 6 grades; 208, or 20.8 per cent., 5 grades. Of the public school children, 901, or 66.1 per cent. were 14 years old, and the remainder (462) 15 years old. In the parochial schools, 820, or 81.7 per cent. left school at 14, and 183, or 18.3 per cent. were 15. 1,117 of those who received work certificates were girls; 1,249 were boys.

Cincinnati investigations show that retardation is twice as great among working children as among school children: Of children in school, 3.9 per cent. are ahead of grade, as compared with only 1.2 per cent. of public school children at work; 66.7 per cent. of children in school are normal, as opposed to only 31.5 per cent. of public school children at work; only 29.4 per cent. of children in the schools are retarded, as against 67.3 per cent. of those public school children who are at work. "The employment of young children is like the felling of young trees—an outrage upon nature."

*School Playgrounds.* There are 31 school playgrounds with apparatus, and 10 after-school playgrounds. From April 14 to October 30, 1912, the attendance was 137,000, and the cost of operation \$2,650, or a cost per pupil of 1.8 cents. Six playgrounds were open for vacation grounds, June 23 to August 31, 1912, and the attendance was 132,000, with a maintenance cost of \$5,650, or 4.2 cents per pupil.

COLLEGE OF THE CITY OF NEW YORK,  
DEPARTMENT OF HYGIENE.

Photographs of plant and equipment; especially shower baths, locker room, students' physical examination, new athletic field, etc.

CRAIG COLONY FOR EPILEPTICS,  
SONVEA, NEW YORK.

Photographs illustrating the work of the school, basketry, school gardening, etc., and hereditary charts emphasizing danger of intermarriage of epileptics. A typical case (2830):

Maternal great grandfather was an epileptic; maternal grandfather was alcoholic, insane, and tubercular; maternal grandmother was tubercular; mother insane and generally defective. Paternal grandfather died of tuberculosis; paternal grandfather and father, neuropathic. Eldest son hysterical, 2 daughters and 1 son insane; 1 son feeble-minded; 1 daughter a feeble-minded epileptic; 6 younger children, whose history cannot be accurately obtained. It is probable that they would show continued taint. The mother and three of her children have been inmates of State institutions but are now living in the community. Should such persons be permanently segregated or should they be allowed to propagate their kind?

CRIPPLED CHILDREN'S EAST SIDE FREE SCHOOL,  
NEW YORK CITY.

Photographs showing methods of work with the 1,000 crippled children now under instruction in the public school system of New York City.

DETROIT BOARD OF HEALTH.

Records of mental classification; dental inspection and clinics; medical inspection of schools.

*Mental Classification.* Of 719 suspected cases examined, 9 were found normal, 354 backward, and 356 mentally defective. The mental defectives were further classified as follows: Moron, high grade, 43, middle 100, low 125, a total of 268; imbecile, high grade 38, middle 28, low 19, a total of 85; and idiot, high 2, middle 1, low 0, a total of 3. The educational recommendations in these 719 cases were: Sent to special rooms, 498; to ungraded rooms, 13; to regular grade rooms, 167; institutional assignment, 41. As to physical defects, 278 had none; 68 showed defective eyes; 13 defective hearing; 164 nasal defects; 129 throat affliction; and 265 had defective teeth.

*Dental Clinics.* An appropriation of \$5,000 was allowed for dental inspection and clinics from Sept. 1, 1912, to July 1, 1913. Four den-

tists examined 50,000 pupils; 12,000 patients were treated in 5 clinics; and there were 40 lantern slide lectures in school.

For the year 1913-14 \$8,000 has been appropriated. There will be 6 inspectors and 7 clinics, and twice as many lectures on mouth hygiene as last year.

*Medical Inspection.* Results of medical inspection of schools, Sept. 1912-June, 1913:

Number of Pupils Examined.....	95,542
Number of Pupils Excluded.....	4,752
Number of Pupils Vaccinated.....	6,466
Number of Defects Found.....	6,062
Nurses' Visits to Homes.....	7,081
Nurses Visits to Schools.....	4,193
Nurses' Visits to Dispensaries.....	432
 Total Visits.....	 11,706
 Attendance at School Clinics.....	 27,228
Children Treated at Home .....	252
Children Treated at Dispensaries.....	1,038
Instruction to Mothers.....	5,348

Eight nurses were employed, at a total expense of \$4,800, and 33 doctors, \$11,500, or a total cost of \$16,350.

ELGIN DENTAL SOCIETY,  
ST. THOMAS, ONT.

Photographs of dental conditions; books on teaching oral hygiene, etc.

FORSYTH DENTAL INFIRMARY,  
BOSTON, MASS.

Model of the infirmary; table showing proportion of oral defects to total defects in Boston.

LEONHARD F. FULD,  
NEW YORK CITY.

HYGIENIC COSTUME FOR HIGH SCHOOL GIRLS.

Dr. L. F. Fuld, of New York, exhibited a suggested hygienic costume for high school girls, as follows:

*Gymnastic Costume.* A one-piece slip, without belt or waist, coming over the shoulders with two shoulder straps and buttoning down the front under one of several large box plaits.

*Undergarment.* A combination undergarment of nainsook, fitted at the hips, bifurcated, and with a very wide flare at the knees.

*Stocking Girdle.* Not worn on the iliac crests, but so fitted that it crosses the sacrum in the back and slants down on top of the trochanter, buckling over the pubic bones in front.

GIRARD COLLEGE,  
PHILADELPHIA, PA.

The newly organized department of dental surgery has for its sole object and aim the care of the teeth of the boys in Girard College. The department is under the care of a dentist-in-chief, 2 assistant dentists, and a clerical and mechanical assistant, all of whom are employed full time.

HARTFORD DENTAL SOCIETY,  
HARTFORD, CONN.

Maps and charts showing extent of dental clinic work in Connecticut.

In Hartford there are free dental clinics for school children supported by the Hartford Dental Society. In Waterbury there are two dental inspectors, salary \$600, paid by the city. In Bridgeport the city appropriates \$500 for the dental clinic of the Bridgeport Dental Society. New London has a dental clinic equipped by the Board of Education and maintained by the New London Dental Society. Other Connecticut towns report as follows: Stratford: Examination by an individual dentist, but no town appropriation; New Britain: Examination of the children by the New Britain Dental Society; Greenwich: Clinic established by the United Workers; New Haven: A room secured in a school building for a privately supported clinic; Meriden: School children examined by the Meriden Dental Society, but no appropriation.

ILLUMINATING ENGINEERING SOCIETY,  
NEW YORK CITY.

Light effects on samples of paper, showing glare from glazed paper.

INTERNATIONAL COMMISSION ON MOUTH HYGIENE.

Charts by Dr. Jessen, of Strassburg, Germany, showing healthy and diseased teeth.

JACKSONVILLE WOMEN'S CLUBS,  
JACKSONVILLE, FLA.

Table showing results of medical inspection in Jacksonville; sample school inspection forms used in that city.

*Results of Medical Inspection.* 77.1 per cent of all the children examined were found defective in one or more particulars. The percentages for the various defects was: Hypertrophied tonsils, 36.6 per cent.; defective vision, 25.8 per cent.; enlarged cervical glands, 9.1 per cent.; adenoids, positive, 5.2; nasal breathing, 3.8; skin diseases, 2.5; hookworm, positive, 2.3; malnutrition, 0.85; anemia, marked, 0.8; defective hearing, 0.65; conjunctivitis, 0.2.

KANSAS STATE NORMAL SCHOOL,  
EMPORIA, KANSAS.

Photographs; student health and sanitation; physical examinations of students.

KENTUCKY COMMITTEE ON ORAL HYGIENE  
Map of State showing location of school inspection of clinics.

LEWISTON STATE NORMAL SCHOOL,  
LEWISTON, IDAHO.

Photographs of recreational and other outdoor activities of the school.

ELIZABETH McCORMICK MEMORIAL FUND,  
CHICAGO, ILL.

A realistic exhibit of the open-air work being done by the Fund. Practical cots, clothing, and equipment for open-air schools.

The Elizabeth McCormick Memorial Fund was established in Chicago May 20, 1908. Its general object is: "To improve the condition of child life in the United States." One of the chief special objects is: "To promote in an experimental way open air schools, by maintaining in Chicago schools like the Elizabeth McCormick Open-Air Schools, and by standardizing the methods of such schools." The Fund gathers information on open-air schools and other child welfare agencies, and disseminates it for the guidance of citizens and legislators. "Open-Air Crusaders" is the title of an attractive report that sums up the open air work.

MARYLAND STATE DENTAL ASSOCIATION,  
BALTIMORE, MD.

Exhibits of models and photographs of teeth, from the University of Maryland.

MASSACHUSETTS DENTAL HYGIENE COUNCIL.

A model dental clinic, ready for operations.

MASSACHUSETTS STATE BOARD OF HEALTH.

Photographs of city and country schools, particularly with reference to sanitary conditions. Shows methods of State assistance to local communities through State Board of Health Agents.

REPUBLIC OF MEXICO, DEPARTMENT OF EDUCATION.

Charts, photographs, and tables showing history, methods, and results of medical inspection in the Federal Departments and territories.

Mexico has had medical inspection of schools since 1896. Begun in a small way in that year, it was extended by an act of 1908. Annual



FIGURE 8

salaries and expenses for the work increased from \$2,000 in 1896 to \$52,000 for the year 1912-13. During the same period the number of medical inspectors has increased from one during the first 3 years to 43 in 1913. About 5,500 children are now assigned to each school doctor.

Of diseases found in school children in Mexico City 1908-12, those of contagious type most frequently found are pediculosis (15 per cent.) and ringworm (4½ per cent.). In the non-contagious diseases, anemia led with 19 per cent. 29 per cent. of the children have defective vision and 27 per cent. dental caries, and 5½ per cent. defective hearing.

NATIONAL ASSOCIATION FOR THE ADVANCEMENT OF COLORED PEOPLE,  
NEW YORK CITY.

Statistical tables and photographs illustrative of negro school conditions in the South, especially sanitary conditions. Compares provision made for the two races in the Southern States and cities.

NATIONAL CHILD WELFARE EXHIBIT COMMITTEE,  
NEW YORK CITY.

Cabinet exhibit under various topics: School building; janitor service; open-air schools; sex education; education of immigrants to American ways and standards (North American League for Immigrants).

*Construction.* According to a map presented only one State has complete regulation by law of school house construction. The following degrees of regulation are noted:

COMPLETE REGULATION, Ohio; MODERATE DEGREE OF REGULATION, Utah, South Dakota, North Dakota, Kansas, Louisiana, Indiana, Virginia, Pennsylvania, New York, New Jersey, Connecticut, Rhode Island, Massachusetts, Vermont, Maine; DEFICIENT REGULATIONS, Washington, California, Arizona, Montana, Colorado, Iowa, Alabama, South Carolina, North Carolina, West Virginia, New Hampshire. The remaining 20 States are entirely without regulations.

*School House Cleaning.* An investigation of the question "How often do cities in the United States wash their school room floors?" revealed the following: Of 856 investigated, 11 wash them daily; 55 every 2 to 7 days; 243 cities every 2 to 4 weeks; 156 cities every 2 or 3 months; 148 cities, once in 5 months; 82 cities, once a year; 51 cities, never.

*Plan for Sex Education.* Answer honestly when the child of even 3 or 4 years asks: "Where did baby come from?" A true but simple statement about mother and baby if given at this time may keep the child from picking up when older false and unclean ideas from street companions.

From 6 to 12 years children can be interested by parent or teacher in nature study. Let children of this age observe the life and reproduction of plants and animals. Their questions are natural. Concealment breeds curiosity. Answer them frankly. Treat sex and reproduction as a natural and pure phase of life. You will receive frankness and confidence in return. Young children's thoughts of sex are pure until their minds have become contaminated. Sex knowledge from pure sources is the best protection against such contamination. At about the age of 12 the child's sex interest becomes more personal and needs not only pure and honest frankness, but also direction towards self-respect, honor, chivalry. The sex instinct thus directed becomes the ally of idealism, altruism, aspiration, religion. Religious and moral training are a profound influence at this age and must help direct the sex instinct. Physical exercise, intellectual interests and wholesome amusements furnish occupations for mind and body and are at this age wholesome and necessary.

*Psychological Clinics.* According to the National Child Welfare Committee, the following States have psychological clinics in connection with universities and normal schools: Washington, California (2), Colorado, Kansas, Minnesota, Iowa, Louisiana, Michigan, Ohio (2), Pennsylvania (2), New York (2), Connecticut, Massachusetts (2).

Three States, Indiana, New York and Massachusetts, have hospitals where psychological clinics are established.

Illinois and Connecticut have such clinics in connection with juvenile courts.

In one or more places in the following three States, the psychological clinics are in connection with the public schools: New York (2), Pennsylvania, Illinois.

Psychological clinics exist in connection with institutions in Minnesota, Illinois, Pennsylvania, New Jersey, New York, Massachusetts.

Ohio has a psychological clinic in connection with a vocational guidance bureau (Cincinnati).

The first psychological clinic was established at the laboratory of psychology, University of Pennsylvania, in 1896.

The resources of a psychological clinic may be summed up as follows: Psychologists trained in clinical diagnosis; examining physicians familiar with developmental diagnosis; social science department for follow-up

work and co-operation with individual home, schools, hospital, child welfare agencies and institutions; accurate and complete clinical records; summer classes for observation; hospital schools for cases needing extended observation and care.

NATIONAL COMMITTEE FOR MENTAL HYGIENE,  
NEW YORK CITY.

The Mental Hygiene Exhibit was, with some additions, the same as presented at the Exhibition of the Fifteenth International Congress on Hygiene and Demography at Washington, in September, 1912.

Two sections included charts showing the incidence of insanity and mental defectiveness in the United States, and its significance; some explanations of the apparent increase of insanity, the cost of caring for the insane and mentally defective; the relation of immigration to the incidence of insanity and mental defectiveness, and the effects upon the community of the uncared-for insane and mentally defective.

Two sections included charts showing the types, nature and causes of mental disease and defectiveness.

Different types of the mechanism of adjustment from the lower animals to that of man were illustrated. The different levels at which the personality is vulnerable were indicated and illustrated by life-histories of actual cases of mental disease. The way in which adjustment can be interfered with by damage to its mechanism was shown by photographs of the brain and nervous system in various diseased conditions. It was shown that many of the indicated causes of insanity are to be avoidable, either by special measures or prevention through the resources of general hygiene.

Another section contained charts, photographs and plans, showing the institutional care of the insane and mentally defective.

Charts giving an outline of the institutional care of the insane in the United States from the establishment of the first hospital for the insane at Williamsburg, Virginia, to the present time, were shown. Modern institutions for the insane and modern methods of treatment which have supplanted the restraint formerly employed as the result of ignorance, superstition and cruelty, were illustrated; and occupations and diversions now provided for the insane were described together with samples of the work produced in occupation classes.

Photographs and plans of the Michigan Psychopathic Hospital at Ann Arbor, of the Boston Psychopathic Hospital and the Henry Phipps Psychiatric Clinic of the Johns Hopkins University, represented the

most enlightened idea in the care and treatment of mental diseases. Institutions of this character, and special wards for the treatment of mental disease in general hospitals, such as "Pavilion F," of the City Hospital at Albany, N. Y., were pointed to as breaking down the last barrier between the treatment of the insane and the treatment of other classes of the sick.

NATIONAL MOUTH HYGIENE COMMITTEE,  
CLEVELAND, OHIO.

Charts showing methods and results of the Cleveland mouth hygiene campaign of 1910-11.

The National Dental Association supplied equipment for clinics; a trained nurse and finances for the Marion School Class. The Ohio State Dental Association paid for the printing and furnished the use of a stereopticon. The Cleveland Dental Society furnished the examining clinicians and lecturers. Rooms were furnished by the Cleveland Board of Education, by the Library, and by St. Alexis Hospital. The campaign had for its object: "To bring to the attention of the people by means of dental inspection of an adequate number of children, the universal need of dental service; to show by means of clinics that there is a great demand for dental service by indigent children; to present to the people by means of lectures the great value of mouth hygiene in the general welfare of the child; to show by means of the Marion School Class the results possible to be obtained from an ideal method of instruction in the care and use of the mouth, accompanied by the correction of the faulty oral condition."

As a result of this campaign 20,861 pupils were examined; the mouths of 97 per cent. were found faulty; the 6 clinics were operated for a total of 334 half-days; 372 patients were treated; 2,217 operations were performed; and 49 lectures were delivered at the various school auditoriums to parents of the older grade pupils.

From a school of 845 pupils there were selected 40 presenting the most faulty oral conditions, 27 of whom acquiesced in the plan, followed instruction, and took the tests. The children were each given a tooth-brush, tooth powder, and a drinking glass. A dental nurse trained them to clean properly the teeth and mouth and visited their homes to see that the instructions were carried out. The children were given special instructions in the use of the mouth in the home and by specimen meals in school. The faulty oral conditions were corrected in the clinics. Psychological tests under an expert demonstrated the mental as well as physical improvement due to remedying bad mouth conditions.

## NEVADA BOARD OF EDUCATION.

Description of school buildings and medical inspection in Reno, Nevada.

Features: All new buildings are one-story, to eliminate stair-climbing and lessen fire-risk; vacuum sweepers; shower baths for both boys and girls; rest-rooms with kitchenettes; base-boards coved to meet the floor and doors perfectly smooth, without panels or mouldings; ample playgrounds with lawns and flowers.

## NEW YORK CITY BOARD OF EDUCATION.

Classroom charts used in teaching hygiene; work of the Public Schools Athletic League; methods in schools for the blind.

*Athletics:* An elaborate system of supervised sports is a feature of athletics in the New York elementary schools. Girls are provided for as well as boys, the Public Schools Athletic League having a "Girls' Branch." The sanctioned athletics for elementary school girls are: Walking; swimming; folk-dancing; relay races—shuttle relay, potato relay, all-up relay, hurdle relay, pass ball relay; basket ball throw; team games—and ball, captain ball, basket ball, and punch ball. For high school girls the list includes: Ice-skating; horse-back riding; golf; tennis; general athletics, track and field; indoor baseball, field hockey, basket ball, volley ball, ring hockey.

The Girls' Branch of the Public Schools Athletic League was organized in 1905 with the approval of the Board of Education. Its announced purpose is to secure for public school girls sun and outdoor air, wholesome pleasure, recreative exercise; "the lack of these is a menace to their future moral and physical health." The fundamental policies are: (1) Athletics for all girls. (2) Athletics within the school and no interschool competition. (3) Athletic events in which only teams (not individual girls) take part. (4) Athletics chosen and practiced with regard to their suitability for girls, not merely in imitation of boys' athletics. Methods: (1) Free instruction classes in folk-dancing and athletics are conducted for public school teachers, who in return organize and conduct girls' athletics after school hours. (2) Athletic badges and trophies are offered for: (a) Interclass competition in team events; (b) completion of prescribed season's record in all-around athletics. (3) The use of all available facilities for outdoor athletics is secured. Results: In the year of organization (1905-6), 328 girls practiced folk-dancing and athletics after school under 38 teachers in 90 schools. In the school year 1911-12 20,626 girls practiced folk-dancing and athletics after school under 941 teachers in 269 schools.

Public school boy athletics in New York are classified by weight, not by age, for the following reasons: Anatomic—Approximately half the body weight is muscle; physiological—weight is closely correlated with physical age; administrative—it is easier to weigh a boy than to ascertain his correct age; social—every boy gets a fair chance. There are three weight classes: 85 pounds, 115 pounds, and unlimited weight. All boys compete in the jumping events. The longest run for the 85-pound class is 110 yards; for the unlimited weight class, 220 yards. Only heavyweight boys are allowed to compete in the shot put. To encourage all boys to train in all-around athletics, every boy who attains certain standards of performance is awarded a badge. The New York standards are: For bronze badge, broad jump 5 feet 9 inches; chinning the bar 4 times; running 60 yards in 8 3-5 seconds. For silver badge: Broad jump, 6 feet 6 inches; chinning the bar 6 times; running 60 yards in 8 seconds and 100 yards in 14 seconds. "There are 200,000 New York City school boys engaged in athletics every year."

#### NEW YORK CITY BOARD OF HEALTH.

The work of the Division of Child Hygiene is outlined as follows:

1. Inspection for the determination of infectious diseases.
2. Inspection and treatment of contagious eye and skin diseases in school.
3. Examination of pupils for certain physical defects.
4. Follow-up visit by nurse to home to secure treatment for non-contagious physical defects.
5. Treatment at clinics for eye, ear, nose and throat.
6. Treatment of teeth at dental clinics.

825, 664 children, in public and parochial schools of New York City, are under medical supervision, at an annual cost of \$364,300, or a per capita cost of 44 cents.

*Mental Defects.* The following is the organization of the work for mentally defective children:

1. Suspected cases are proposed by the school principal, parent, physician, or court official.
2. Two reports are secured: (a) showing race, nationality, health condition, school history, special tastes, peculiarities, habits, behavior; (b) social service report, economic status of the family, heredity.

3. Examinations are made by staff physicians and members of the advisory board: Anatomical—the stigmata of degeneration; physiological, disease or defect; psychical, native and acquired ability; developmental history—prenatal, postnatal.

4. Disposition of cases: (a) to hospital, dispensary, convalescent home; (b) to religious society, religious organization, or children's aid society; (c) educational: to outdoor school, school for deaf, class for blind, vocational school, regrading in regular school, ungraded class.

NEW YORK POST GRADUATE HOSPITAL,  
NEW YORK CITY.

Exhibit of outdoor study tent that can be used for window tent at night, designed by Dr. S. A. Knopf.

NEW YORK STATE DEPARTMENT OF EDUCATION.

Medical inspection organization in Albany and other cities of the State; old and new methods of seating, etc.

NEW YORK STATE DEPARTMENT OF HEALTH,  
ALBANY, N. Y.

Exhibit showing propaganda work by the State in behalf of health conditions. Models showing danger of contagion. Model dental clinic. Models of mouths showing dental defects. Framed legends and pictures warning against infection from drinking cups, etc.

NEW YORK STATE INSTITUTION FOR FEEBLE-MINDED CHILDREN,  
SYRACUSE, N. Y.

Exhibits of basketry, plain and fancy sewing, lace and embroidery, mats, woodwork, drawing, etc.

NEW YORK STATE SCHOOL FOR THE BLIND,  
BATAVIA, N. Y.

Booth illustrating work done by the blind in canning, weaving, typewriting, etc.

NORMAL COLLEGE OF THE NORTH AMERICAN GYMNASTIC UNION,  
(Turnlehrerseminar)

INDIANAPOLIS, IND.

Enlarged photographs of the school's equipment and various activities. Particularly good action pictures of athletics.

NORTH, ROBERT, SCHOOL ARCHITECT.

Plans, photographs, and sketches of typical new school buildings in New York City, Philadelphia, St. Louis, Buffalo, and various cities in New Jersey and Pennsylvania.

OAKLAND, CAL., DEPARTMENT OF EDUCATION.

Statistical charts of playground and recreation center activities.

Oakland's playgrounds are managed by a board of playground directors appointed by the Mayor. In 1912, 15 playgrounds were maintained, 9 playgrounds were supervised, 22 supervisors were employed, and the attendance during June, July and August was 253,757. For the fiscal year 1911-12 an attendance of 482,486 is reported. \$18,885 was expended for maintenance and \$21,605 for improvements during the year, and the annual average cost of maintenance per person attending playgrounds was computed at \$.0391. The playground activities include: Boy Scouts, dramatics, evening entertainments, folk dancing, gardening, industrial work, lectures, pageants, story-telling, singing, baseball, basketball, volley ball, track and field events, manual training, sand box and apparatus, kindergarten games, swimming, summer camps, self-government.

PENNSYLVANIA DENTAL SOCIETY, COMMITTEE ON ORAL HYGIENE.

Map showing oral hygiene work in Pennsylvania.

PENNSYLVANIA STATE DEPARTMENT OF HEALTH, HARRISBURG, PA.

Photographs and literature showing State medical inspection in Pennsylvania; visit of the medical inspector to rural school districts, etc.

PENNSYLVANIA STATE INSTITUTION FOR FEEBLE-MINDED,  
POLK, VENANGO COUNTY, PA.

Views of buildings and manual work of patients—sloyd, weaving, torchon lace, Indian basketry.

## PHILADELPHIA CHILD FEDERATION.

Drawings and photographs to illustrate dangers of venereal infection and need for instruction in sex hygiene.



FIGURE 9

## PHILADELPHIA, DEPARTMENT OF MEDICAL INSPECTION OF SCHOOLS.

*Medical Inspection.* The scope of the work of the Department of Medical Inspection of Schools is described as follows:

1. Detection and correction of physical defects.
2. Detection and exclusion of contagious disease cases.
3. Sanitary inspection of school buildings.
4. Examination at their homes of absentee children in order to determine whether such children should be excused from school.
5. The examination of applicants for the position of school janitor.
6. Examination of high school boys entering into athletic contests.

7. A clinic for the examination of mentally deficient children.
8. Special medical supervision of 3 open-air schools.
9. Free vaccination of school children.

The organization is as follows:

1. Public schools, medical inspection. (Under Bureau of Health and Board of Education.)
2. Public schools, nurses. (Board of Education and Bureau of Health.)
3. Private schools and parochial schools, medical inspection. (Under Bureau of Health.)
4. Eye dispensary for school children No. 1. (For all school children), under Bureau of Health. Eye dispensary for school children No. 2 (Public school children), Bureau of Health and Board of Education.
- 5: Dental dispensary for school children, No. 1, for all school children. (Under Bureau of Health.) Dental dispensary for school children, Nos. 2, 3, 4, for public school children, under Bureau of Health and Board of Education.

A general summary of medical inspection in Philadelphia for 1912 shows:

Number of Pupils in Elementary Schools.....	175,905
Number of Pupils in High Schools.....	11,502
Number of School Buildings.....	280
Visits Made by Supervisors.....	1,355
Visits Made by Assistant Inspectors.....	35,556
Pupils Sent to Inspectors by Teachers.....	98,171
Routine Physical Examinations.....	111,854
Special Examinations (Class Rooms).....	317,564
Defects Recommended for Treatment.....	138,092
Proportion of Physical Defects Corrected.....	45%
Exclusions From School.....	7,046
Time Lost From School by Reason of Exclusions, Minor Contagious Diseases Only, Days.....	4,314
Number of Throat Cultures Taken.....	2,722
Number of Throat Cultures with Positive Results.....	418
Vaccinations Performed.....	2,312

The following is a table showing physical defects recommended for treatment at two different periods:

DEFECT	FEB.-DEC., 1912	JAN.-JUNE, 1913
Eye.....	25,656	16,510
Nose, Throat and Mouth.....	37,088	22,946
Ear.....	2,249	1,470
Teeth.....	50,047	40,345
Orthopedic.....	2,049	1,686
Anemia and Poor Nutrition.....	2,543	1,434
Nervous.....	935	670
Heart.....	367	587
Defective Mentality.....	163	188
Skin.....	19,385	10,144
Miscellaneous.....	2,054	2,552
 Totals.....	 142,536	 98,502

*School Nurses.* The Bureau of Health of Philadelphia shows the direct value of the school nurse service by comparing conditions with and without nurses. A saving of nearly 5 days is obtained on every case of contagious disease by means of the school nurse service. The statistics show that the average number of days lost by school children when the schools are without school nurse service is 5.06458. The average number of days lost when the schools have nurse service is found to be .34268. Lack of nurse service is therefore responsible for 4.72191 days of preventable loss. Multiplying 4.72191 (preventable) loss (average days) by 16,884 cases minor contagious diseases handled by school nurses gives 79,725 total days school time saved to these school pupils through nurse service. The per capita cost of education in Philadelphia is 18½ cents, so that \$9,122.05 is saved to the educational system through this one branch alone of the school nurses' activity. The total cost of school nurse service from Feb., 1912 to June, 1913, was \$25,760. The nurses were employed in the congested districts of the city.

Another proof of the importance of the school nurse is found in the follow-up results. Irrespective of social grade, more physical defects are corrected with nurse than without. Four groups were studied: In group white, native, social grade A, 43 per cent. of defects were corrected with nurse, as compared to 36 per cent. when no nurse was employed. In group white, grade B, 50 per cent. were corrected with a nurse, and 43 per cent. without. In white, grade C, 50 per cent. are corrected when a nurse was employed, whereas only 18 per cent. were corrected when there was no nurse. In colored, grade C, 63 per cent. of defects noted were corrected with the nurse, as against 22 per cent. without a nurse.

## POLISH NATIONAL ALLIANCE COLLEGE.

The Polish National Alliance College, located at Cambridge Springs, Pa., had a most excellent collection of models, apparatus and charts illustrating the methods of examination and findings of the physical condition of every student attending the college.

## ROCHESTER.

Panels showing work of child labor bureau, school nurse service, etc.

*Child Labor.* The Child Labor Bureau of Rochester reports 2,316 work permits issued in 1912 to children between 14 and 16 years. There were refused 996 permits, refusal being based on the following grounds: For defects of eyes, ears, nose and throat, 126; for defects in teeth, 494; for miscellaneous defects, 59; for under age, 72; for no evidence of age (birth not recorded), 155; for insufficient education, 90.

*School Nurses.* School nurses in Rochester paid 1,269 visits to homes; took 853 cases to dispensaries and hospitals; cared for 1906 defects; found 306 defects of eyes; 401 of ears, nose and throat; 273 of teeth; 267 skin diseases; 413 miscellaneous defects.

*Dental Clinic.* A free dental clinic, claimed to be the first in the world, was established in Rochester more than 25 years ago. It was closed after two years for lack of support. The first American school dental dispensary was established in Rochester in 1905 by the Rochester Dental Society. Dental dispensaries are now operated in schools Nos. 26, 12, 14. In 1912 2,104 patients were treated, involving 11,137 operations. The total cost was \$2,461.15 or 1.12 for each child.

The Rochester exhibit points out the significance of illness as affecting normal growth in children: "If you weigh your children and measure their height and heads every month you will find that they grow regularly with occasional stops. *Sickness, such as measles, whooping cough, scarlet fever, cause a stop, and that stop in growth can never be made up.*"

## SAN FRANCISCO DEPARTMENT OF HEALTH.

Medical inspection in San Francisco; tables; forms used; age charts on the expectancy of disease.

SARGENT SCHOOL,  
CAMBRIDGE, MASS.

Photographs illustrating the gymnastic work of the school.

RUDOLPH SCHICK & Co.  
LEIPZIG, GERMANY.

Colored wall charts for hygiene instruction.

SCIENTIFIC TEMPERANCE FEDERATION,  
BOSTON, MASS.

Graphic statistics, models, etc., showing effects of alcoholism on industrial and social efficiency; graphic studies in alcoholic heredity, etc.

SOUTHERN CALIFORNIA MOUTH HYGIENE SOCIETY,  
LOS ANGELES, CAL.

Large pictures showing dental conditions. Chart showing history of oral hygiene movement in Southern California.

The Board of Education in Los Angeles has now taken over the dental clinic formerly maintained by the Los Angeles Parent-Teacher Association and the County Dental Society. During the past year (1912-13) there were 2 full-time operators. 1,434 patients were treated.



FIGURE 10

SWEDEN—EXHIBIT OF THE SWEDISH GOVERNMENT,  
STOCKHOLM.

Photographs, sketches and plans for the free elementary school in Hälsingborg and the Atheneum (Girls' High School) in Stockholm. Schools for deaf mutes and blind in Stockholm; outdoor games, vacation colony at the seashore; school journeys for public school children; school baths; wall charts showing cuts of meat for domestic science. Bust of Per Henrik Ling, father of Swedish gymnastics.

TEACHERS' COLLEGE, COLUMBIA UNIVERSITY,  
NEW YORK CITY.

Charts and photographs showing treatment of postural and permanent lateral curvature. Comparison of mental improvement of indoor and outdoor children of third grade, as follows:

*Physical Improvement.*

	INDOOR	OUTDOOR
Average Age at Beginning of Tests.....	8 yrs. 6 mo.	8 yrs. 4 mo.
Duration of Tests.....	6 mo.	6 mo.
Average Gain in Weight.....	1.6 kg., or 3.5 lb	1.7 kg., or 3.7 lb
" " " Height.....	2.6 cm., or 1.0 in.	2.8 cm., or 0.0 in.
" " " Girth of Chest.....	1.3 cm., or 0.5 in.	1.8 cm., or 0.737 in.
" " " Chest, Expanded.....	1.5 cm., or 0.6 in.	1.7 cm., or 0.7 in.
" " " Breadth of Chest.....	0.9 cm., or .37 in.	.2 cm., or .07 in.
" " " Depth of Chest.....	0.0	-.3 90 -.13
" " " Lung Capacity.....	8.0 cu. in.	5.9 cu. in.
" " " Strength, Right Arm.....	1.4 kg., or 3.0 lb	0.8 kg., or 1.7 lb
" " " Average Strength, Left Arm..	1.4 kg., or 3.1 lb	2.1 kg., or 4.5 lb
" " " Strength, Upper Back.....	2.0 kg., or 4.4 lb	2.0 kg., or 4.4 lb
" " " Strength, Chest.....	2.8 kg., or 0.2 lb	3.2 kg., or 7.0 lb

Indoor class improved more in four of these measurements.

Outdoor class gained more in six of these measurements.

Classes gained the same in strength of back.

Outdoor class gained more in height, weight and girth of chest.

*Mental Improvement.*

FORMAL ENGLISH:

GRADE	NO. OF PUPILS	AVERAGE		
		DEC., 1912 PER CENT.	MAY, 1913 PER CENT.	IMPROVEMENT PER CENT.
III Open-air	December, 18	37	57	20
	May, 12			
III Indoor	December, 22	35	48	13
	May, 27			

## ARITHMETIC:

GRADE	NO. OF PUPILS	DEC. 1912 PER CENT.	AVERAGE MAY, 1913 PER CENT.	IMPROVEMENT PER CENT.
III Open-air	December, 14	48	68	20
	May, 22			
III Indoor	December, 28	69	75	6
	May, 24			

## TORONTO BOARD OF EDUCATION,

TORONTO, CAN.

Photographs illustrating dental hygiene; work of the forest school; medical inspection, etc.

## UNITED STATES BUREAU OF EDUCATION,

WASHINGTON, D. C.

Summaries of the current literature of school hygiene, arranged by topics and nations. Also photographs of rural schools from various States.

(To be published in full by the Bureau. Address Communications to the Commissioner of Education, Washington, D. C.)

## UNIVERSITY OF BUFFALO.

Exhibit of the medical and dental departments. Figures showing types of spinal curvature, due to faulty sitting postures in early life, especially improper arrangement of desks and light in school; also types of deformed pelvis in women, a disease commencing in childhood; models of teeth in various stages of development and decay.

## UNIVERSITY OF PENNSYLVANIA,

PHILADELPHIA, PA.

Photographs from the Department of Physical Education and Hygiene: Athletic teams, gymnastics, course in public health.

## UNIVERSITY OF PITTSBURGH, SCHOOL OF EDUCATION.

Charts demonstrating lines of work of the school of education; tables of psychological and mental tests.

The school of education of the University of Pittsburgh undertakes the following activities, which may be taken as typical of the newer psychological-pedagogical work:

1. Conducts a psychological clinic for the Pittsburgh district, for the examination and classification of backward, feeble-minded, epileptic, insane, speech-defective, sense-deprivative, and precocious individuals.
2. Advises parents, teachers, or attendants as to the proper mental, pedagogical, hygienic, and institutional treatment and disposition of the cases examined.
3. Refers examined cases requiring expert dental or medical treatment to dispensaries and hospitals.
4. Conducts demonstration clinics at teachers' institutes, and at national and international congresses.
5. Offers the following courses to teachers, nurses, social workers, mothers, psychologists, and physicians:
  - (a) Clinical psychology, and the scientific study of mentally exceptional individuals.
  - (b) The cure and education of the feeble-minded, backward, precocious, etc.
  - (c) Psycho-educational pathology and educational therapeutics.
  - (d) Manu-mental and occupational work for the backward, feeble-minded, epileptic, and insane.
6. Prepares expert psychological diagnosticians for schools, universities, institutions, juvenile courts, research foundations, and welfare institutions.
7. Issues frequent publications for distribution among physicians, teachers, and social workers.
8. Supports a technical library of books and periodicals.

*Relation of Dental Hygiene to Mental Efficiency.* Dr. J. E. W. Wallin has measured with selected test materials the increased mental efficiency of children whose oral defects have been remedied. In memorizing place digits, there was an average gain in those under observation of 19 per cent. in efficiency; in the spontaneous association test, the average efficiency gain was 42 per cent.; in adding 1 place digits, 35 per cent. gain; in the antonym test, 129 per cent. gain and in the test of cancelling a's, there was an average gain due to dental improvement of 60 per cent.

URUGUAY.

Exhibit arrived too late for erection.

JOHN V. VAN PELT, ARCHITECT,  
NEW YORK CITY.

Models, plans, and sketches for an ideal open-air school building.

VINELAND TRAINING SCHOOL,  
VINELAND, N. J.

Photographs, charts, and color work illustrating the educational possibilities of backward and feeble-minded children.

The Vineland School has 344 children who are the wards of the State of New Jersey, 18 private pupils from New Jersey, and 28 private pupils from other States. The central idea of the work is thus expressed: "The true education and training for boys and girls of backward and feeble minds is to teach them what they ought to know and can make use of when they become men and women in years."

VIRGINIA STATE DEPARTMENT OF HEALTH,  
RICHMOND, VA.

Chart of medical inspection and sanitary survey of Orange County, Virginia.

WASHINGTON STATE DEPARTMENT OF EDUCATION,  
OLYMPIA, WASH.

Map of State showing distribution of school inspection, municipal dental clinics, etc.

WESTERN ILLINOIS STATE NORMAL SCHOOL,  
MACOMB, ILL.

Photographs of the school and its activities, especially physical development work.

# FINANCIAL REPORT

COVERING RECEIPTS AND DISBURSEMENTS MADE THROUGH THE  
OFFICE OF THE SECRETARY-GENERAL OF THE FOURTH  
INTERNATIONAL CONGRESS ON SCHOOL HYGIENE

## RECEIPTS

August	17, 1912.	By appropriation from Treasurer-General,	\$249.75
September	9, 1912.	" " "	100.00
"	18, 1912.	" " "	400.00
October	17, 1912.	" " "	300.00
November	1, 1912.	" " "	7.50
"	30, 1912.	" " "	500.00
January	17, 1913.	" " "	999.75
February	4, 1913.	" " "	4,000.00
April	4, 1913.	" " "	2,000.00
"	17, 1913.	" " "	3,275.00
"	17, 1913.	Return of Library Bureau Check, . . .	36.75
May	1, 1913.	By appropriation from Treasurer-General,	2,675.00
June	4, 1913.	" " "	2,000.00
"	16, 1913.	Cancelled Check L. B., . . . . .	27.25
"	25, 1913.	By appropriation from Treasurer-General,	2,500.00
July	3, 1913.	Return on Duplicate Subscription, . . .	5.00
"	7, 1913.	By appropriation from Treasurer-General,	775.00
"	25, 1913.	" " "	1,000.00
"	28, 1913.	Cancelled Check, . . . . .	6.00
"	28, 1913.	By appropriation from Treasurer-General,	1,000.00
August	4, 1913.	" " "	875.00
"	19, 1913.	" " "	1,875.00
"	31, 1913.	" " "	2,000.00
October	28, 1913.	" " "	200.00
Total Receipts, . . . . .			\$26,807.00

## DISBURSEMENTS

Committee on Scientific Exhibit, . . . . .	\$2,287.29
Committee on Program, . . . . .	2,725.23
Administrative, . . . . .	8,467.93
Membership, etc., . . . . .	4,931.16
Bulletins, . . . . .	3,295.27
Publicity, . . . . .	4,478.43
Proceedings (Preliminary Expenses), . . . . .	591.67
Total Disbursements, exclusive of the cost of publishing the proceedings	\$26,776.98
Balance on hand December 6, . . . . .	\$30.02

## DISBURSEMENTS

## Committee on Scientific Exhibit:

General Expenses, . . . . .	\$1,768.30
Printing . . . . .	222.07
Salaries, . . . . .	227.92
Equipment, . . . . .	19.00
Stamps, . . . . .	50.00
 Total, . . . . .	 \$2,287.29

## Committee on Program:

Salaries Clerical Service, . . . . .	\$598.25
Stamps, . . . . .	769.00
General Expenses, . . . . .	287.61
Printing, . . . . .	1,070.37
 Total, . . . . .	 2,725.23

## Administrative:

Salaries Clerical Service, . . . . .	\$3,390.00
Traveling Expenses, . . . . .	952.71
Printing, . . . . .	1,039.52
Stamps, . . . . .	267.70
Translations, . . . . .	102.87
General Expenses, . . . . .	2,715.13
 Total, . . . . .	 8,467.93

## Membership and Follow-Up Correspondence:

Salaries Clerical Service, . . . . .	\$1,666.50
Printing, . . . . .	508.69
Stamps, . . . . .	1,306.00
General Expenses, . . . . .	440.08
Equipment, . . . . .	1,009.89
 Total, . . . . .	 4,931.16

## Bulletins:

Salaries Clerical Service, . . . . .	\$165.89
Stamps, . . . . .	651.66
Stationery, . . . . .	18.75
Printing, . . . . .	2,274.62
Translations, . . . . .	69.50
General Expenses, . . . . .	114.85
 Total, . . . . .	 3,295.27

## Publicity Bureau:

Equipment, . . . . .	\$28.13
Salaries Clerical Service, . . . . .	2,461.50
General Expenses, . . . . .	471.87
Stamps, . . . . .	1,017.00
Printing, . . . . .	499.93
Total, . . . . .	\$4,478.43

## Proceedings (Preliminary Expenses):

Salaries Clerical Service, . . . . .	\$485.00
General Expenses, . . . . .	66.17
Stamps, . . . . .	28.00
Printing, . . . . .	5.50
Translations, . . . . .	7.00
Total, . . . . .	591.67
Total Disbursements, . . . . .	\$26,776.98

## MEMBERS AND ATTENDING DELEGATES

Abbott, Alexander C., M.D., Sc.D., D.P.H., Professor of Hygiene and Bacteriology, University of Pennsylvania, Philadelphia, Pennsylvania. Delegate-Member. In attendance. From American Physiological Society.

Abel, Benjamin L., School Principal, 135 Morris Avenue, Buffalo, New York. Member. In attendance.

Abercrombie, Ronald T., M.D., Homewood Apartments, Charles and 31st Streets, Baltimore, Maryland. Member.

Abrams, Alva E., 36 Pearl Street, Hartford, Connecticut. Member.

Abrams, Louise A., Teacher, 171 Porter Avenue, Buffalo, New York. Member. In attendance.

Abt, Isaac A., M.D., 104 So. Michigan Avenue, Chicago, Illinois. Member.

Abt, Pagliaro, Napoli, No. 35, Italy. Member.

Adam, R. B., Adam, Meldrum & Anderson Company, Buffalo, New York. Member.

Adams, Edward M., School Principal, Hamburg, New York. Member. In attendance.

Adams, Mrs. W. M., 101 N. Deep Run Street, Richmond, Virginia. Delegate. In attendance. From Parent-Teacher Association Tax School.

Addams, Hon. George S., Judge, Juvenile Court, Cleveland, Ohio. Member. In attendance.

Adler, Isaac, Member of Board of Education, 1008 Granite Building, Rochester, New York. Delegate-Member. In attendance. From National League of Compulsory Education, Board of Education, Rochester, New York.

Administration Communale de Bruxelles, Hotel de Ville, Bruxelles, Belgique. Member.

Affleck, G. B., Young Men's Christian Association College, Springfield, Massachusetts. Member.

Ahern, M. J., S.J., Professor, Canisius College, Buffalo, New York. Delegate. In attendance. From Canisius College.

Aikman, John, M.D., Physician, 800 Monroe Avenue, Rochester, New York. Member. In attendance.

Albright, J. J., Marine Bank Building, Buffalo, New York. Member.

Albright, Mrs. John J., 730 Ferry Street, Buffalo, New York. Member.

Alden, Carlos C., LL.M., J.D., Dean University of Buffalo, Law Department, Buffalo, New York. Member.

Aldrich, Walter Johnson, St. Johnsbury, Vermont. Delegate. In attendance. From State of Vermont.

Alexander, Grace M., Teacher, 510 Lafayette Avenue, Buffalo, New York. Member. In attendance.

Alexander, William S., M.D., Physician and Surgeon, 22 N. College Avenue, Oxford, Ohio. Member.

Allan, J. A. O., Architect, 25 Union Terrace, Aberdeen, Scotland. Member.

Allen, Cora May, 427 Potomac Avenue, Buffalo, New York. Member. In attendance.

Allen, Joseph Dana, M.A., Head Master, Nichols School, 29 Tillinghast Place, Buffalo, New York. Member. In attendance.

Allen, Thomas G., M.D., 439 Elk Street, Buffalo, New York. Member.

Allison, Elizabeth Wilson, M.D., State Medical Inspector of Wisconsin Normal Schools, Board Normal School Regents, Madison, Wisconsin. Delegate-Member. In attendance. From State of Wisconsin.

Allport, Dr. Frank, 7 West Madison Street, Chicago, Illinois. Member.

Allum, Dr. A. W., Canadian Medical Association, Winnipeg, Manitoba, Canada. Delegate-Member. In attendance. From Canadian Medical Association.

Almy, Valentine, Assistant Commissioner of Public Schools, Rhode Island, 1908 Broad Street, Edgewood, Rhode Island. Delegate-Member. In attendance. From State of Rhode Island.

Altschul, Dr. Theodor, K. K. Obersanitätsrat, Herrengasse 6, Prag, Austria. Member.

Alsberg, Carl L., United States Department of Agriculture, Bureau of Chemistry, Washington, D. C. Member.

American Institute of Child Life, President Dr. William B. Forbush, 1714 Chestnut Street, Philadelphia, Pennsylvania. Member.

American School Board Journal, Wm. Geo. Bruce, 129 Michigan Street, Milwaukee, Wisconsin. Member. In attendance.

Amidon, A. A., Member Board of Education, Jamestown, New York. Delegate. In attendance. From City of Jamestown.

Amyot, John A., 4 Laburnum Avenue, Toronto, Canada. Member. In attendance.

Anders, James M., M.D., 1605 Walnut Street, Philadelphia, Pennsylvania. Delegate-Member. In attendance. From State of Pennsylvania.

Anderson, Harry B., 1307 Adams Street, Chicago, Illinois. Member.

Anderson, John Cameron, 53 East 51st Street, New York City. Member.

Anderson, Miss Katherine M., High School Teacher, 20 Orton Place, Buffalo, New York. Associate Member. In attendance.

Anderson, S. A., 440 Main Street, Buffalo, New York. Member.

Anderson, Wm. G., M.D., Yale University, New Haven, Connecticut. Member.

Andrade, Professor Manuel Velazquez, Mexico City, Mexico. Member.

Andrews, Charles H., M.D., Member of the Board of Examiners of Feeble Minded Criminals, etc., 588 West Delavan Avenue, Buffalo, New York. Member. In attendance.

Andrews, Glen F., D.D.S., 613 Lowry Building, St. Paul, Minnesota. Member.

Angel, E. D., Teacher, State Normal School, Milwaukee, Wisconsin. Associate Member. In attendance.

Annowski, Miss Rose L., 119 Auburn Avenue, Buffalo, New York. Member.

Arata, Dr. Pedro N., Presidente del Consejo Nacional de Educación, Characas y Rodriguez Pena, Buenos Aires, Argentina. Member.

Armitage, M. Teresa, 314 East 30th Street, Chicago, Illinois. Member. In attendance.

Arnold, Mrs. E. E., 23 S. Main Avenue, Albany, New York. Delegate. In attendance. From Albany Mothers' Club.

Arnold, E. H., M.D., Instructor, Orthopaedic Surgery, Yale; Director New Haven Normal School of Gymnastics, 46 York Square, New Haven, Connecticut. Delegate-Member. In attendance. From City of New Haven.

Art Craft Institute Guild, Mrs. T. Vernetti Morse, 2827 Michigan Avenue, Chicago, Illinois. Member.

Association of Teachers of Gymnastics in the Netherlands (Secretary H. A. Elias, Amsterdam), Delegate C. van Hessen, Groningen, Holland. Delegate-Member. In attendance.

Auel, Charles H. W., M.D., 227 High Street, Buffalo, New York. Delegate-Member. In attendance. From City of Buffalo.

Aulde, Dr. John, 1305 Arch Street, Philadelphia, Pennsylvania. Delegate. In attendance. From American Association of Clinical Research.

Ayres, Mrs. Atlee B., Chairman of Committee on Sanitation and Hygiene of the San Antonio Public Schools, 202 Belknap Place, San Antonio, Texas. Delegate-Member. In attendance. From Board of Education, San Antonio, Texas.

Ayres, Leonard P., Ph.D., Director Division of Education, Russell Sage Foundation, 1 Madison Avenue, New York, N. Y. Delegate-Member. In attendance. From State of New York, Russell Sage Foundation.

Ayres, Warren, Newspaper man, Kansas City, Missouri. Member.  
In attendance.

de Azua, Srita. Profesora Esther Huidobro, Mexico City, Mexico. Member.

Babetti, Münch., Teacher of German, 3803 Clinton Avenue, Cleveland, Ohio. Delegate. In attendance. From National German-American Teachers' Association.

Babbitt, James A., M.D., 121 So. 18th Street, Philadelphia, Pennsylvania. Member. In attendance.

Babbott, William M., 603 West 158th Street, New York City. Associate Member.

Babcock, Louis L., 28 Erie Street, Buffalo, N. Y. Member.

Bacon, Gertrude M., Superintendent of Teaching, Buffalo Normal School, 107 Falconer Street, N. Tonawanda, New York. Delegate-Member. In attendance. From City of North Tonawanda.

Bacon, H. D., 49 Swan Street, Buffalo, New York. Member.

Bacon, Miss Mabel F., Instructor, Normal School of Physical Education, Battle Creek, Michigan, 284 Champion Street, Battle Creek, Michigan. Associate Member. In attendance.

Badaloni, Prof. Dr. Giuseppe, Docente d'igiene pedagogica e Medico Provinciale de Roma, via Sallustiana 10, Roma, Italy. Member.

Badger, Dr. George S. C., 48 Hereford Street, Boston, Massachusetts. Member.

Baekleland, Dr. L. H., Yonkers, New York. Member.

Bager-Sjögren, John L., Ph.D., Superintendent of Schools, Norrkoping, Sweden. Delegate-Member. In attendance. From Sweden.

Bainter, E. M., Commissioner of Education, San Juan, Porto Rico. Member.

Baird, Mrs. F. B., 97 Linwood Avenue, Buffalo, New York. Associate Member. In attendance.

Baird, Mary Brooks, M.D., Medical Inspector, Public Schools, Evanston, Illinois. Member. In attendance.

Baird, Rose H., Head of Department of Domestic Art, Rockford College, Rockford, Illinois. Delegate. In attendance. From Rockford College.

Baker, Edward H., M.D., 5436 Lexington Avenue, Chicago, Illinois. Member.

Baker, G. B., Managing Editor, "The Delineator," Butterick Building, New York. Member.

Baker, Howard H., 18-26 Terrace, Buffalo, New York. Member.

Baker, Rev. Nelson H., Lackawanna, New York. Member.

Baker, S. Josephine, M.D., Director of Child Hygiene, Department of Health, New York City. Delegate-Member. In attendance. From State of New York; Board of Health, New York City.

Baldwin, Agnes M., School Principal, 436 Oak Street, Buffalo, New York. Member. In attendance.

Baldwin, Edward R., Saranac Lake, New York. Associate Member.

Baldwin, Jane North, M.D., Assistant Physician Vassar College, Poughkeepsie, New York. Delegate-Member. In attendance. From Vassar College.

Baldwin, Dr. Mary E., 113 Truro Street, Newport, Rhode Island. Delegate-Member. In attendance. From Current Topics Club, Newport, Rhode Island.

Baldwin, Mrs. Seward, Federation of Pennsylvania Women. Delegate-Member. In attendance. From Parent Teachers' Association, Waverly, New York.

Ball, Halsey J., M.D., Health Officer, Cortland, New York. Delegate-Member. In attendance. From Cortland, New York.

Ball, Michael V., Medical Inspector of Schools of Warren, Pa., Warren, Pennsylvania. Member. In attendance.

Ball, S. F., Manual Training Instructor, 37 Linden Park, Buffalo, New York. Associate Member. In attendance.

Balliett, Harold J., 495 Linwood Avenue, Buffalo, New York. Member.

Balliett, Mrs. H. J., 495 Linwood Avenue, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Balliet, Thomas M., Ph.D., Dean School of Pedagogy, New York University, 32 Waverly Place, New York City. Delegate-Member. In attendance. From American Federation for Sex Hygiene; New York University.

Bancroft, Miss Jessie H., Assistant Director Physical Training, Public Schools, New York City, 164 Sterling Place, Brooklyn, New York. Delegate-Member. In attendance. From Physical Education Society of New York and vicinity; American Physical Education Society.

Bapst, Robert T., 388 Franklin Street, Buffalo, New York. Member.

Barber, Dr. La Fayette L., Toledo, Ohio. Delegate-Member. In attendance. From City of Toledo.

Barbot, Dr. Norber, Montevideo, Uruguay. Member.

Barker, Edward Day, 1923 North Tejon Street, Colorado Springs, Colorado. Member.

Barley, Miss Ida, 619 Highland Avenue, Kansas City, Missouri. Delegate-Member. In attendance. From Kansas City, Missouri.

Brother Barnabas, Rector, Superintendent Lincoln Agricultural School, Lincolndale, New York. Delegate-Member. In attendance. From Lincoln Agricultural School.

Barnard, L. S., 806 White Building, Buffalo, New York. Member.

Barnard, Thos. P. C., M.D., Health Officer, North Tonawanda, New York. Delegate. In attendance. From North Tonawanda.

Barnes, Miss Bessie L., Director of Physical Training in the Public Schools, Brookline, Massachusetts, 19 University Road, Brookline, Massachusetts. Delegate-Member. In attendance. From Board of Education, Brookline.

Barnett, John A., M.D., Watertown, New York. Delegate-Member. In attendance. From State of New York.

Barney, Mrs. Margaret H., 80 Marlboro Street, Boston, Massachusetts. Member. In attendance.

Barrett, Mary E., 716 Elk Street, Buffalo, New York. Member.

Barrett, Mary R., 444 Woodward Avenue, Buffalo, New York. Member.

Barrows, Dr. Franklin W., Medical Inspector of Schools, 1364 Michigan Street, Buffalo, New York. Member. In attendance.

Barth, George P., M.D., B.Sc., Chief Medical Inspector of Schools, City Hall, Milwaukee, Wisconsin. Delegate-Member. In attendance. From National League of Compulsory Education Officials.

Bartlett, Blanche P., Teacher, 1159 Main Street, Buffalo, New York. Member. In attendance.

Bartlett, Ezra Albert, M.D., 20 South Hawk Street, Albany, New York. Member.

Bartlett, L. E., 336 Ellicott Square, Buffalo, New York. Member.

Bartow, Harriet M., Teacher, 13 Bremen Street, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Baskerville, Charles, Ph.D., F.D.S., Professor of Chemistry and Director of the Laboratory, College of the City of New York, New York. Member.

Bass, Frederic, Director, Division of Engineering, Minnesota State Board of Health, University of Minnesota, Minneapolis, Minnesota. Delegate-Member. In attendance. From State of Minnesota.

Bass, Lyman G., Attorney, Marine Bank Building, Buffalo, New York. Member. In attendance.

Bastian, Joseph, M.D., 511 W. Fourth Street, Wilmington, Delaware. Associate Member.

Bateman, D. T., County Superintendent of Schools, San Jose, California. Member.

Bates, Dr. Edgar, 2459 Washington Avenue, Ogden City, Utah. Member.

Bates, Dr. Mary Elizabeth, 524 Majestic Building, Denver, Colorado. Member.

Bateson, S. W., 110 Greenwood Place, Buffalo, New York. Member. In attendance.

Battey, Alice M., 20 Chenango Street, Buffalo, New York. Associate Member.

Baudouin, J. A., M.D., Medical Officer of Health, Lachine, Quebec, Canada. Delegate-Member. In attendance. From City of Lachine.

Bauer, Theodore V., M.D., Medical School Examiner, 374 Broadway, Buffalo, New York. Member. In attendance.

Bayliss, Dr. A. W., 472 Delaware Avenue, Buffalo, New York. Member.

Beach, Channing, M.D., School Principal, 236 Herkimer Street, Buffalo, New York. Member. In attendance.

Beach, Everett, M.D., 431 Laughlin Building, Los Angeles, California. Member.

Beach, Dr. J. W., 131 Allen Street, Buffalo, New York. Member.

Beals, Arthur L., M.D., 106 Main Street, Brockton, Massachusetts. Member.

Beam, Willoughby P., 451 Elmwood Avenue, Buffalo, New York. Member.

Beavers, Virgil, M.D., Barry, Illinois. Member.

Becht, J. George, Executive Secretary, State Board of Education, Harrisburg, Pennsylvania. Delegate-Member. In attendance. From State Board of Education, Pennsylvania.

Becker, Sophie C., School Principal, 424 Parkside Avenue, Buffalo, New York. Delegate-Member. In attendance. From City of Buffalo.

Beebe, H. E., M.D., Sidney, Ohio. Member. In attendance.

Beebe, H. M., M.D., Sidney, Ohio. Member. In attendance.

Beers, Miss Jessica E., School Principal, 213 Bryant Street, Buffalo, New York. Member.

Beiderhase, Miss Josephine, Assistant Director Physical Training, Public Schools New York City, 202 West 86th Street, New York. Member.

Beidleman, Jessie C., 190 Norwood Avenue, Buffalo, New York. Member.

Belcher, William W., D.D.S., Editor "Dental Dispensary Record," 186 Alexander Street, Rochester, New York. Delegate-Member. In attendance. From National Dental Association; Seventh District Dental Society of New York State.

Bellanca, J. S., Attorney, 9 Erie County Bank Building, Buffalo, New York. Member.

Bellchamber, C. E., D.M.D., 120 S. Fifth Street, Effingham, Illinois. Delegate-Member. In attendance. From State of Illinois; National Oral Hygiene Association.

Bender, Ida C., 807 Auburn Avenue, Buffalo, New York. Delegate-Member. In attendance. From City of Buffalo.

Bengoechea, Dr. Ramon, Consul General of Guatemala, 12 Broadway, New York City. Delegate-Member. In attendance. From Guatemala.

Benson, Miss C. C., Associate Professor, University of Toronto, Toronto, Canada. Member. In attendance.

Benson, Carrie, 44 Normal Avenue, Buffalo, New York. Associate Member.

Bentz, Henry George, M.D., Ph.G., City Physician, Department of Health, 894 Michigan Street, Buffalo, New York. Member. In attendance.

Bergh, Gustav, Teacher, Kungsholmsgt 72 A, Stockholm, Sweden. Delegate-Member. In attendance. From Sweden.

Berkery, Katherine, 235 Potomac Avenue, Buffalo, New York. Associate Member.

Berro, Dr. Arturo, Montevideo, Uruguay. Member.

Berry, Charles Scott, Assistant Professor of Education, University of Michigan, Ann Arbor, Michigan. Member. In attendance.

Berry, Miss Elizabeth, President, Association of Public School Teachers of Crippled Children in the City of New York, 940 Fox Street, New York City. Associate Member. In attendance.

Bertola, Dr. Mariana, Professor of Hygiene, Mills College, 1050 Jackson Street, San Francisco, California. Member.

Beszzynski, Dr. V. B., 1016 Sycamore Street, Buffalo, New York. Member.

Bexheft, Dr. Armin, School Physician, Professor of Hygiene, 11 Margit korut 7, Budapest, Hungary. Member.

Beyer, Pearl E., Teacher, 15 Adams Street, Mt. Vernon, New York. Member. In attendance.

Beymer, William Gilmore, 238 Fort Washington Avenue, New York City. Member.

Bibliothèque de L'Université de Coimbre, care Le Directeur, Coimbre, Portugal. Associate Member.

Bingham, Gertrude E., Inspector of Classes for Blind Children, 500 Park Avenue, New York City. Member. In attendance.

Bingham, M. Shirley, 65 Langdon Street, Cambridge, Massachusetts. Associate Member. In attendance.

Bird, A. A., M.D., 15 East Murray Street, Murray City, Utah. Member.

Bishop, C. H., Superintendent of Buildings, Board of Education, Toronto, Canada. Delegate-Member. In attendance. From Board of Education, Toronto.

Bishop, Elizabeth L., Teacher of Science, Buffalo State Normal School, 109 Norwood Avenue, Buffalo, New York. Associate Member. In attendance.

Bishop, Dr. Frances L., St. Louis Society Social Hygiene, 4271 Washington Avenue, St. Louis, Missouri. Delegate-Member. In attendance. From State of Missouri; Society of Social Hygiene, St. Louis.

Bissell, A. D., President Peoples Bank, Buffalo, New York. Member.

Bissell, William G., Bacteriologist, Department of Health, 1467 Amherst Street, Buffalo, New York. Member. In attendance.

Birtwell, Charles W., General Secretary, Massachusetts Society for Sex Education, 6 Hancock Avenue, Boston, Massachusetts. Delegate-Member. In attendance. From State of Massachusetts; Massachusetts Society for Sex Education.

Black, Dr. Allen J., Resident Physician, Hollins College, Hollins, Virginia. Member.

Blackader, Dr. A. D., Professor of Pediatrics, McGill University, 236 Mountain Street, Montreal, P. Q., Canada. Member.

Blackmarr, Frank Hamlin, B.S., M.D., 22 Washington Street, Chicago, Illinois. Member.

Blackney, Ralph R., Educational Director, Young Men's Christian Association, 45 West Mohawk Street, Buffalo, New York. Delegate-Member. In attendance. From Young Men's Christian Association, Buffalo, New York.

Blair, Rev. V. W., Pastor, Payne Avenue Church of Christ, 167 Payne Avenue, North Tonawanda, New York. Delegate. In attendance. From North Tonawanda.

Blake, Dr. Clarence John, 226 Marlborough Street, Boston, Massachusetts. Member.

Blake, Margaret, 255 Franklin Street, Buffalo, New York. Associate Member.

Blake, Patrick M., Tenement House Inspector, 678 Elk Street, Buffalo, New York. Member. In attendance.

Blakeslee, B. Herbert, 37 Manchester Place, Buffalo, New York. Member.

Blanchard, R. J., 288 Broadway, Winnipeg, Manitoba, Canada. Member.

Bleckley, Sarah T., Teacher, 297 West Avenue, Buffalo, New York. Associate Member. In attendance.

Blehdon, Victor R., 437 Brisbane Building, Buffalo, New York. Member.

Bliem, Dr. Milton J., Room 397-398 Hicks Building, San Antonio, Texas. Member.

Bliss, Don C., Superintendent of Schools, Montclair, New Jersey. Delegate-Member. In attendance. From Board of Education, Montclair.

Block, Joseph, 563 William Street, Buffalo, New York. Member.

Block, Dr. Siegfried, 848 Greene Building, Brooklyn, New York. Examiner Children's Court, Brooklyn. Delegate-Member. In attendance. From National Association for the Study and Education of Exceptional Children.

Bloor, Mrs. Ella Reeve, Lecturer and News Writer, 912 Creighton Avenue, Dayton, Ohio. Member. In attendance.

Blue, Leonard A., Dean New York State Normal College, 358 Western Avenue, Albany, New York. Delegate-Member. In attendance. From New York State Normal College.

Blue, Rupert, Surgeon-General, United States Public Health Service, 3 B Street, South East, Washington, D. C. Member.

Board of Education, Baltimore, Maryland. Member.

Board of Education, 1140 Main Street, Davenport, Iowa. Member.

Board of Education, New Rochelle, New York. Albert Leonard, Superintendent. Member.

Board of Education, Plainfield, New Jersey. Dr. A. F. Van Horn, Medical Examiner, Representative. Member. In attendance.

Board of Education, Rhode Island. Hon. Walter E. Ranger, Secretary. State House, Providence, Rhode Island. Member.

Board of Education, Saginaw, East Side, Michigan. William C. Klumpp, Secretary-Treasurer; E. C. Warrener, Superintendent of Schools, Representatives, 610 Bearinger Building. Member. In attendance.

Board of Education, Department of Instruction, 9th and Locust Streets, St. Louis, Missouri. Member.

Board of Education, Topeka, Kansas, H. B. Wilson, Superintendent. Member.

Bocker, Dorothy, B.S., M.A., Director, Department of Physical Education, Lewiston State Normal School. Delegate-Member. In attendance. From State of Idaho; Lewiston State Normal School, Idaho.

Bogart, Edwin R., Stenographer, Department of Health, 121 Loring Avenue, Buffalo, New York. Member. In attendance.

Bohne, Philip W., M.D., 1113 Maison Blanche, New Orleans, Louisiana. Member.

Boice, A. B., M.D., 929 Carteret Avenue, Trenton, New Jersey. Member.

Bolduan, Charles F., M.D., Assistant to General Medical Officer, Department of Health, New York City; Visiting Physician, Tuberculosis Preventorium for Children, Farmingdale, New York, Department of Health, New York City. Delegate-Member. In attendance. From Department of Health, New York City; Tuberculosis Preventorium for Children.

Bolin, Jakob, University of Utah, Salt Lake City, Utah. Member.

Boller, Henry E., Chicago and Carroll Streets, Buffalo, New York. Member.

Bonnar, Margaret E., Teacher, 59 Indian Church Road, Buffalo, New York. Member. In attendance.

Bonnell, Henry H., 1505 Land Title Building, Philadelphia, Pennsylvania. Member.

Book, Professor W. F., Professor of Educational Psychology, Indiana University, Bloomington, Indiana. Member. In attendance.

Booker, Warren H., Assistant Secretary, North Carolina State Board of Health, Raleigh, North Carolina. Member. In attendance.

Borchardt, Dr. Eugen, Schularzt, Moninsenstrasse, No. 45, Charlottenburg, Germany. Delegate-Member. In attendance. From Deutscher Verein für Schulgesundheitspflege.

Borowiak, Dr. S. N., 1279 Broadway, Buffalo, New York. Member. In attendance.

Boržilleri, Dr. Charles R., 164 Niagara Street, Buffalo, New York. Member. In attendance.

Bosher, Robert S., Jr., M.D., 11 N. 1st Street, Richmond, Virginia. Member.

Boston Association for the Relief and Control of Tuberculosis, 4 Joy Street, Boston, Massachusetts, S. H. Stone, Secretary. Member.

Botsford, Samuel B., 90 North Pearl Street, Buffalo, New York. Member. In attendance.

Boucher de La Bruere, Superintendent of Public Instruction, Quebec, Canada. Member.

Boughton, Alice C., Superintendent, School Lunches, Home and School League, Philadelphia, 4424 Larchwood Avenue, West Philadelphia, Pennsylvania. Delegate-Member. In attendance. From American Home Economics Association; Home and School League of the City of Philadelphia.

Bovaird, Mrs. J. H., Juvenile Court Committee General Federation Pennsylvania Women, Bradford, Pennsylvania. Associate Member. In attendance.

Bowen, Nellie A., Teacher, 218 Southampton Street, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Bowerman, Edwin A., M.D., 234 East Utica Street, Buffalo, New York. Delegate-Member. In attendance. From City of Buffalo.

Bowles, George C., D.D.S., 32 Warren Avenue, West, Detroit, Michigan. Member. In attendance.

Bowman, William T., Health Officer, East Orange, New Jersey. Delegate-Associate Member. In attendance. From Board of Health, East Orange.

Bowman, Mrs. William T., East Orange, New Jersey. Associate Member. In attendance.

Bowns, Walter V., 340 19th Street, Oakland, California. Associate Member.

Bowns, Walter V., Post-Office Box 328, San Francisco, California. Associate Member.

Boyer, Harry A., School Director, 304 South 15th Street, Harrisburg, Pennsylvania. Delegate-Member. In attendance. From Harrisburg, Board of School Directors.

Boyers, Dr. James S., State Board of Health, Decatur, Indiana. Delegate-Associate Member. In attendance. From State Board of Health.

Boyne, J. J., Assistant Chief, Bureau of Plumbing and Drainage, Department of Health, 60 Florence Avenue, Buffalo, New York. Member. In attendance.

Boynton, Rev. Richard H., 83 Ashland Avenue, Buffalo, New York. Delegate-Member. In attendance. From City of Buffalo.

Bracken, Henry M., M.D., Secretary State Board of Health, 1010 Fourth Street, S. E., Minneapolis, Minnesota. Delegate-Member. In attendance. From State of Minnesota; Royal Sanitary Institute, London, S. W.; American Medical Association.

Bracken, Mrs. H. M., 1010 Fourth Street, S. E., Minneapolis, Minnesota. Delegate-Member. In attendance. From Minneapolis Women's Club.

Bradford, Mrs. Mary D., 426 Park Avenue, Kenosha, Wisconsin. Member.

Bradford, Dr. T. B., District Director of Sanitation for the Arkansas State Board of Health, Cotton Plant, Arkansas. Member.

Bradley, Isabel A., M.D., President of Women's Council, 221 Ash Street, Akron, Ohio. Delegate-Member. In attendance. From State of Ohio; Women's Council.

Bradstreet, Howard, President Neighborhood Workers' Association, New York City, 265 Henry Street, New York. Delegate. In attendance. From New York City.

Braemer, William G. R., M.E., 214 State Street, Camden, New Jersey. Member. In attendance.

Braitenberg, Dr. Josef von zu Zennenberg k. k. Ministerialrat im Ministerium für Kultus u. Unterricht, Wien, 1, Austria. Delegate-Member. In attendance. From Austrian School Hygiene Association.

Brandau, Dr. Julius, Cassell, Germany. Member.

Brannan, John W., M.D., 11 West 12th Street, New York City. Member. In attendance.

Brauza, F. E., D.D.S., 1070 Broadway, Buffalo, New York. Member.

Bray, Charles W., Biwabik, St. Louis County, Minnesota. Member.

Bredel, Clara H., 95 Parkside Avenue, Buffalo, New York. Delegate-Member. In attendance. From State of New York.

Brennan, Margaret A., Principal, 297 West Avenue, Buffalo, New York. Member. In attendance.

Brennan, Mary R., 410 Perry Street, Buffalo, New York. Associate Member.

Brenner, Edward C., M.D., Physician and Surgeon to the Home Hospital, New York City, 840 West End Avenue, New York. Delegate. In attendance. From Home Hospital.

Brenner, William B., Sanitary Inspector, 87 Greenwood Place, Buffalo, New York. Member. In attendance.

Brereton, Cloutesley, M. A., Member of the Permanent Committee of the International Congresses on School Hygiene, 7 Lyndhurst Road, Hampstead Heath, London, N. W., England. Member.

Brereton, Mrs. M. A. Cloutesley, 7 Lyndhurst Road, Hampstead Heath, London, N. W., England. Member.

Breuer, Dr. Max, 33 Allen Street, Buffalo, New York. Member. In attendance.

Bridge, Norman, Security Building, Los Angeles, California. Member.

Briganti, P., M.D., 205 East 17th Street, New York City. Member.

Briggs, Albert H., M.D., 267 Hudson Street, Buffalo, New York. Delegate-Member. In attendance. From State of New York; Buffalo Historical Society.

Briggs, Cora E., 388 Breckenridge Street, Buffalo, New York. Associate Member.

Briggs, George N., Special Representative, Philippine Bureau of Education, Bureau of Insular Affairs, Washington, D. C., Delegate-Member. In attendance. From Philippine Islands, Board of Education, Manila, P. I.

Briggs, Herman M., M.D., 113 West 57th Street, New York City. Member.

Briggs, Pearl A., 1718 Seneca Street, Buffalo, New York. Member.

Brigham, Miss Agnes Oris, Director of Physical Training, State Normal School, Platteville, Wisconsin. Member. In attendance.

Brinkerhoff, Henry E., M.D., Director Medical Inspection Public Schools, Jersey City, New Jersey, 698 Bergen Avenue, Jersey City, New Jersey. Delegate-Member. In attendance. From Board of Health.

Brinson, J. R., Superintendent of City Schools, Cleveland, Mississippi. Delegate-Member. In attendance. From Bolivar County, Mississippi.

Brister, John W., State Capitol, Nashville, Tennessee. Member.

Bristol, Emily W., Assistant School Principal, 24 Granger Place, Buffalo, New York. Member. In attendance.

Brittain, M. L., State Superintendent of Schools, Atlanta, Georgia. Delegate. In attendance. From State of Georgia.

Britton, Clarence W., Milk Inspector, Health Department, 273 Fulton Street, Buffalo, New York. Member. In attendance.

Broad, Elma, Head Teacher, Syracuse State Institution for Feeble-minded Children, Syracuse, New York. Delegate. In attendance. From School for Feeble-minded Children.

Brockway, P. Bruce, M.D., Medical Inspector of Schools, 341 12th Street, Toledo, Ohio. Member. In attendance.

Brogan, Mabel M., Teacher, 57 Peoria Street, Buffalo, New York. Associate Member. In attendance.

Bronaugh, W. L., 1507 Fisher Building, Chicago, Illinois. Member.

Brooks, Ida Joe, A.B., A.M., M.D., Medical Inspector of Schools, Little Rock, Arkansas, 219 East 10th Street, Little Rock, Arkansas. Delegate-Member. In attendance. From State of Arkansas; Board of Education, Little Rock; Little Rock Special School District.

Brooks, Mrs. Mary B., Teacher, 2500 Battery Street, Little Rock, Arkansas. Delegate. In attendance. From Department of Education.

Brown, Alice Barlow, M.D., 748 Oak Street, Winnetka, Illinois. Delegate-Member. In attendance. From Winnetka Women's Club.

Brown, Edward F., Superintendent, Bureau of Welfare of School Children, 105 East 22d Street, New York City. Delegate. In attendance. From Bureau of Welfare of School Children, New York City.

Brown, Edwin J., Superintendent of Instruction, Steele High School, Dayton, Ohio. Member. In attendance.

Brown, Elias G., M.D., Founder and Director of the Mountain School, Allaben, New York. Member.

Brown, George A., Editor "School and Home Education," 304 East Walnut Street, Bloomington, Illinois. Member. In attendance.

Brown, Harvey L., 1317 Chamber of Commerce, Buffalo, New York. Member.

Brown, Homer C., D.D.S., President of the National Dental Association, Member of the Ohio State Board of Health, 185 East State Street, Columbus, Ohio. Delegate-Member. In attendance. From State of Ohio; National Dental Association; Ohio State Board of Health; National Mouth Hygiene Association.

Brown, J. J., 271 Babcock Street, Buffalo, New York. Member.

Brown, Lloyd T., M.D., Assistant Orthopaedic Surgeon to Out-patients, Massachusetts General Hospital; Assistant Orthopaedic Surgeon to the Robert B. Bingham Hospital, 372 Marlborough Street, Boston, Massachusetts.

Brown, Philip King, M.D., 350 Post Street, San Francisco, California. Member.

Brown, Thomas, 1135 Niagara Street, Buffalo, New York. Member.

Brown, T. R., Ph.D., Bacteriologist, Ohio State Board of Health, Room 407 Hartman Building, Columbus, Ohio. Member. In attendance.

Brown, Walter L., Librarian Public Library, 416 Lafayette Avenue, Buffalo, New York. Member. In attendance.

Brown, Mrs. Walter L., 416 Lafayette Avenue, Buffalo, New York.  
Associate Member. In attendance.

Browne, John S., 17 West 43d Street, New York City. Member.

Brownell, Mrs. O., Proxy for Mrs. W. S. Jennings, Florida Federation of Women's Clubs, 1845 Main Street, Jacksonville, Florida. Delegate. In attendance. From Florida Federation of Women's Clubs.

Brubacher, A. R., Superintendent of Schools, Schenectady; President, New York State Teachers' Association, High School, Schenectady, New York. Delegate-Member. In attendance. From New York State.

Bruce, Dr. Hortense V., Superintendent, New York State Training School for Girls, Hudson, New York. Member. In attendance.

Bruce, Ida Norris, M.D., School Commissioner, 1156 Springfield Avenue, Irvington, New Jersey. Associate Member. In attendance.

Bruce, Margaret, 18 Ashland Avenue, Buffalo, New York. Associate Member.

Bruchnalski, Kasimir, His Austrian Majesty's Chief Inspector of Schools, Lemberg (Galicia), Austria. Delegate-Member. In attendance. From Board of Education of the Kingdom of Galicia.

Bruck, John P., Dole Street, near Perry Street, Buffalo, New York. Member.

Bryant, Mrs. Louise Stevens, Psychological Clinic, University of Pennsylvania, Philadelphia, Pennsylvania. Member.

Brzezicki, M. F., Pharmacist, 336 Peckham Street, Buffalo, New York. Member.

Bucher, Louis F., M.D., Medical Inspector Public Schools, 214 Green Street, Dayton, Ohio. Member. In attendance.

Budesea, Dr. Eduardo Masip y, Madrid, Spain, La Magdalena f-2 Member.

Buettner, Phillip, 522 Bailey Avenue, Buffalo, New York. Member. In attendance.

Buffalo Seminary, E. D. Emerson, Treasurer, Bidwell Parkway and Potomac Avenue, Buffalo, New York. Member.

Bujwid, Dr. Med. Odo, Professor of Hygiene, Cracow University, Member Permanent International Committee, Poland, Austria. Member.

Bull, Martha P., 238 Elmwood Avenue, Buffalo, New York. Associate Member. In attendance.

Bullard, Sarah H., 818 Potomac Avenue, Buffalo, New York. Associate Member.

Bullitt, James N., University of Mississippi, Oxford, Mississippi. Member.

Burdge, Florence I., 15 East Passaic Street, Hackensack, New Jersey. Member.

Burdick, Mrs. Anna Lalor, 1156 23d Street, Des Moines, Iowa. Delegate-Member. In attendance. From Des Moines Public Schools.

Burdick, William, M.D., Director Public Athletic League, 801 Garrett Building, Baltimore, Maryland. Member. In attendance.

Burg, Dr. Sigmund S., Conroy Building, San Antonio, Texas. Member.

Burgard, Henry P., 275 Lathrop Street, Buffalo, New York. Member.

Burger, Dr. Fred, 1326 Tracy Avenue, Kansas City, Missouri. Member. In attendance.

Burgerstein, Dr. Leo, VI 1/2 Burgerspitalgasse 28, Vienna, Austria. Delegate-Member. In attendance. From Austrian School Hygiene Association.

Burke, George Franklin, D.D.S., 315-317 Stevens Building, Detroit, Michigan. Delegate-Member. In attendance. From City of Detroit; National Mouth Hygiene Association.

Burke, Joseph, M.D., 1092 Main Street, Buffalo, New York. Delegate. In attendance. From Catholic University of America, Washington, D. C.

Burke, Thomas C., 404 Marine National Bank Building, Buffalo, New York. Member.

Burke, William J., 15 City Hall, Buffalo, New York. Member.

Burkhardt, Carl H., Director of Physical Training Public Schools, Buffalo, New York, 28 Linden Park. Delegate-Member. In attendance. From North American Gymnastic Union.

Burkhart, H. J., D.D.S., State Board of Dental Examiners, Batavia, New York. Delegate-Member. In attendance. From National Dental Association; State Board of Dental Examiners, New York.

Burley, George J., 41 Mulberry Street, Buffalo, New York. Member.

Burnett, John S., Calle Sarandi 562, Montevideo, Uruguay. Member.

Burnham, William H., Ph.D., Professor of Pedagogy and School Hygiene, Clark University, Worcester, Massachusetts. Delegate-Member. In attendance. From Clark University.

Burns, Gerald G., D.D.S., 48 Elwood Building, Rochester, New York. Delegate. In attendance. From New York State Dental Society.

Burns, Harry B., M.D., Chief Medical Inspector of Schools, Pittsburgh, Pennsylvania. Delegate-Member. In attendance. From Department of Health, Pittsburgh.

Burrow, Mrs. William A., President Federation of Mothers' Clubs, Richmond, Virginia. Delegate. In attendance. From City of Richmond.

Burt, William, Bishop of Methodist Episcopal Church, 455 Franklin Street, Buffalo, New York. Delegate-Member. In attendance. From City of Buffalo.

Burton, George Dexter, 185 Summer Street, Boston, Massachusetts. Member.

Burton, Oscar A., Albert Lea, Minnesota. Member.

†Busch, Frederick C., 19 Irving Place, Buffalo, New York. Member. In attendance.

Busley, Grace J., 12 Copeland Place, Buffalo, New York. Associate Member.

Butler, Edward H., Jr., care of "Buffalo Evening News," Buffalo, New York. Member.

Butler, Harriett L., 32 Johnson Park, Buffalo, New York. Associate Member.

Butler, Ida M., 150 Lexington Avenue, Buffalo, New York. Associate Member.

Butler, Mary Warnick, Physical Director, State Normal and Training School, Cortland, New York. Member.

Butterworth, Dr. W. W., Tulane University, New Orleans, Louisiana. Member.

Buttolph, Mrs. Harry T., 2574 Main Street, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Button, Lucius L., M.D., Special Examiner for Backward, Deficient, Incorrigible and Truant Children in Public Schools, 265 Alexander Street, Rochester, New York. Delegate-Member. In attendance. From Health Bureau.

Butts, Edward W., 50 Highland Avenue, Buffalo, New York. Member.

Byard, Deven S., M.D., 155 East 70th Street, New York City. Member.

Byrne, Teresa E., Teacher, 394 Fargo Avenue, Buffalo, New York. Member. In attendance.

Cabana, Oliver, Jr., 375-377 Ellicott Square, Buffalo, New York. Member.

Caboni, Dr. Michele, Italian Consul, 228 Court Street, Buffalo, New York. Delegate-Member. In attendance. From City of Buffalo.

Cabot, Dr. Hugh, Surgeon, 87 Marlborough Street, Boston, Massachusetts. Member. In attendance.

Cacace, Professor Ernesto, Napoli, via P.S. Mancini n. 13, Italy. Member.

Calderwood, Dr. W. R., Member State Board of Health, Salt Lake City, Utah. Member.

Caldwell, Dr. Delia, Member Board of Education, 735 Broadway, Paducah, Kentucky. Member.

Calkins, Daniel N., Rochester, New York. Member. In attendance.

Callanan, Mrs. Edward C., 107 Ashland Avenue, Buffalo, New York. Delegate. In attendance. From The Catholic Women's Saturday Afternoon Club.

†Deceased.

Callanan, Dr. W. C., 1727 Main Street, Buffalo, New York. Delegate-Member. In attendance. From The Catholic Women's Saturday Afternoon Club.

Cain, Julia C., Secretary, 73 Hancock Street, Dorchester, Massachusetts. Delegate. In attendance. From Forsyth Dental Infirmary, Boston, Massachusetts.

Cameron, Ernest T., County Commissioner of Schools, Mt. Pleasant, Michigan. Delegate. In attendance. From State of Michigan.

Cameron, Mrs. J. W., 318 Richmond Avenue, Buffalo, New York. Delegate. In attendance. From State of New York.

Cameron, Isabella D., Medical Officer to Edinburgh, Scotland, Provincial Committee for the Training of Teachers, 9 Mayfield Gardens, Edinburgh, Scotland. Member. In attendance.

Cameron, Samuel P., Dentist-in-Chief, Girard College, Philadelphia, Pennsylvania. Delegate-Member. In attendance. From National Dental Association.

Campbell, John E., M. D., School Physician and Health Commissioner, South St. Paul, Minnesota. Delegate-Member. In attendance. From State of Minnesota.

Campbell, Miss Henrietta L., Charge Academic Work, Lathrop Industrial, 2617 Wabash Avenue, Kansas City, Missouri. Delegate-Member. In attendance. From Catholic Industrial Academic Work.

Cammack, I. I., Superintendent of Schools, 2703 Garfield Avenue, Kansas City, Missouri. Delegate-Member. In attendance. From State of Missouri.

Cannon, Mary A., Assistant Teacher, 363 Hampshire Street, Buffalo, New York. Associate Member. In attendance.

Cannon, Walter B., Harvard Medical School, 240 Longwood Avenue, Boston, Massachusetts. Member.

Count de San-Esteban de Cañongo, Secretary, Spanish Embassy, Washington, D. C. Delegate-Member. In attendance. From Spain.

Caney, Mae E., 139 Parkdale Avenue, Buffalo, New York. Associate Member.

Caples, Mrs. Byron M., Waukesha, Wisconsin. Delegate-Member. In attendance. From Wisconsin Federation of Women's Clubs.

Capwell, Mrs. Allison, President Political Equality Club, 712 Auburn Avenue, Buffalo, New York. Delegate-Member. In attendance. From Buffalo Political Equality Club.

Carey, Miss Mary, R. N., 2100 East 40th Street, Cleveland, Ohio. Member. In attendance.

Carley, Joseph H., 22 Chenango Street, Buffalo, New York. Member. In attendance.

Carnegie Library, Homestead, Pennsylvania. Member.

Carpenter, Louise, 145 School Street, Buffalo, New York. Member.

Carpenter, Dr. Thomas B., Assistant City Bacteriologist, 533 Franklin Street, Buffalo, New York. Member. In attendance.

Carr, C. J., M.D., 945 Genesee Street, Buffalo, New York. Member. In attendance.

Carr, Frederick Dorr, M.D., Director Genesee County Laboratory, 119 Main Street, Batavia, New York. Member. In attendance.

Carr, James H., 345 Eagle Street, Buffalo, New York. Member. In attendance.

Carroll, James E., Superintendent of Schools, Dover, Delaware. Associate Member. In attendance.

Carruthers, Miss Lilian, Special Teacher of Mental Defectives, 132 Robert Street, Toronto, Canada. Member. In attendance.

Carter, I. C., C.E., Architect, Louisiana Chapter A. I. A., Lake Charles, Louisiana. Member.

Cary, Dr. Charles, 340 Delaware Avenue, Buffalo, New York. Member. In attendance.

Cary, Thomas, 184 Delaware Avenue, Buffalo, New York. Member. In attendance.

Cary, C. P., State Superintendent of Schools, Madison, Wisconsin. Delegate. In attendance. From National Education Association.

Cary, Mrs. Elizabeth M. L., 184 Delaware Avenue, Buffalo, New York. Associate Member. In attendance.

Casassa, Felix A., 130 Mariner Street, Buffalo, New York. Member. In attendance.

Case, Rev. Carl D., 236 Anderson Place, Buffalo, New York. Member.

Case, Clara J., 298 Lexington Avenue, Buffalo, New York. Associate Member.

Casey, Mary K., 17 Ludington Street, Buffalo, New York. Member. In attendance.

Casey, William V., Superintendent of Schools, State Preparatory School, Boulder, Colorado. Member. (For School District Number Three.)

Cassell, John D., Heating and Ventilating Engineer, 2242 Land Title Building, Philadelphia, Pennsylvania. Associate Member. In attendance.

Cassety, Louise M., Buffalo Normal School, 425 Porter Avenue, Buffalo, New York. Member. In attendance.

Cassidy, John I., S.J., Professor of Ancient Languages, Canisius College, Buffalo, New York. Delegate. In attendance. From Canisius College.

Caverly, Charles S., Rutland, Vermont. Member.

Chadwick, Marion T., Assistant Supervisor of Physical Training, Detroit Public Schools, Detroit, Michigan. Member. In attendance.

Challman, S. A., State Commissioner of School Buildings, Main Engineering Building, University Campus, Minneapolis, Minnesota. Delegate-Member. In attendance. From State of Minnesota.

Chamberlain, Lorina, 276 Summer Street, Buffalo, New York. Associate Member.

Chamberlain, Nelson Hoyt, Union Savings Bank Building, 353 27th Street, Oakland, California. Delegate-Member. In attendance. From Oakland, California.

Chamberlain, Mrs. N. H., 353 27th Street, Oakland, California. Associate Member. In attendance.

Chambers, Dr. F. R., 15 Exchange Place, Jersey City, New Jersey. Member.

Chambers, Dr. H. L., Associate Professor of Hygiene, University of Kansas, 1035 Massachusetts Street, Lawrence, Kansas. Delegate-Member. In attendance. From University of Kansas.

Chambers, Mary A., School Principal, 573 Prospect Avenue, Buffalo, New York. Member. In attendance.

Chambers, Henry E., 557 Prospect Avenue, Buffalo, New York. Member.

Chambers, Mary E., 557 Prospect Avenue, Buffalo, New York. Associate Member.

Chambers, Will Grant, Dean of the School of Education, University of Pittsburgh, 4179 Center Avenue, Pittsburgh, Pennsylvania.

Chamot, Eugenie L., Teacher of French, 69 Johnson Park, Buffalo, New York. Associate Member. In attendance.

Chapin, Dr. Charles V., Superintendent of Health, City Hall, Providence, Rhode Island. Delegate-Member. In attendance. From City of Providence.

Chapin, Willis O., 1022 Fidelity Building, Buffalo, New York. Member.

Chase, C. S., Iowa City, Iowa. Associate Member. In attendance.

Chase, H. Lincoln, M.D., Chief Medical Inspector of Schools of Brookline, 22 Kennard Road, Brookline, Massachusetts. Delegate-Member. In attendance. From State of Massachusetts.

Chase, Susan F., 11 Ketcham Place, Buffalo, New York. Associate Member.

Chase, Rev. William Sheafe, A.M., D.D., Rector of Christ Church, Bedford Avenue; Chairman of the Social Service Committee of the Episcopal Diocese of Long Island, 481 Bedford Avenue, Brooklyn, New York. Delegate-Member. In attendance. From State of New York.

Cheatham, Arch, M.D., Superintendent of Health, 7 and 8 Loughlin Building, Durham, North Carolina. Member.

Chemnitz, Matthew J., Superintendent of German Instruction in the Public Schools, 52 Norwood Avenue, Buffalo, New York. Member. In attendance.

Cheney, Genevieve H., High School Teacher, Roselle, New Jersey. Associate Member. In attendance.

Chesley, Albert J., Director, Division of Epidemiology, State Board of Health, Minneapolis, Minnesota. Delegate-Member. In attendance. From State of Minnesota.

Chew, William H., Member, State Board of Health, New Jersey, First and Market Streets, Camden, New Jersey. Member.

Chichester, Mary E., 44 Bremen Street, Buffalo, New York. Member. In attendance.

The Child Federation of Pennsylvania (Albert Cross), 643 Real Estate Building, Philadelphia, Pennsylvania. Member.

Chipps, H. D., D.D.S., Liddon Building, Corinth, Mississippi. Member.

Chojnacki, Louis L., Polish Literary Circle, 26 Stanislaus Street, Buffalo, New York. Delegate-Member. In attendance. From Polish Literary Circle.

Cicero, Dr. Ricardo E., care of Dr. Balmis' School, Mexico City, Mexico. Member.

Cailley, Dr. Arthur H., 138 East 37th Street, New York City. Member.

Cincinnati Public Library, care of Mr. M. P. James, Vine Street, between 6th and 7th Streets, Cincinnati, Ohio. Member.

Clampffer, Miss Jessie W., 454 Prospect Avenue, Buffalo, New York. Member. In attendance.

Clark, Dr. E. D., 12 Parker Avenue, Buffalo, New York. Member. In attendance.

Clark, Dr. Edward, Medical State Health Committee, New York State, 573 Ellicott Square, Buffalo, New York. Member. In attendance.

Clark, John, 143 Chenango Street, Buffalo, New York. Member. In attendance.

Clark, Helen M., 720 West Avenue, Buffalo, New York. Associate Member.

Clark, Lisa P., 50 Allen Street, Buffalo, New York. Member.

Clark, Naomi, Assistant Teacher, 71 Prospect Avenue, Buffalo, New York. Associate Member. In attendance.

Clarke, Elizabeth E., Assistant School Principal, 99 Putnam Street, Buffalo, New York. Associate Member. In attendance.

Clarke, James Berhan, 26 Vesey Street, New York City. Delegate. In attendance. From National Association for Advancement of Colored People.

Clawson, John L., 343-357 Washington Street, Buffalo, New York. Member.

Clendenan, Charles W., Physician and Surgeon, North Tonawanda, New York. Delegate. In attendance. From North Tonawanda.

Clinton, George, 1012 Prudential Building, Buffalo, New York. Member.

Cloud, Agnes D., D.D.S., Member New York State Dental Society, 449 West 23d Street, New York City. Delegate-Member. In attendance. From New York State Dental Society.

Coad, William J., 493 Elk Street, Buffalo, New York. Delegate-Member. In attendance. From City of Buffalo.

Coan, Ethel Mason, Instructor of Domestic Science, 159 Elmwood Avenue, Buffalo, New York. Associate Member. In attendance.

Cobb, Elmer J., Principal, Buffalo, New York. Delegate-Member. In attendance. From Public School No. 60.

Cobb, Mrs. Elmer J., President Buffalo City Federation of Women's Clubs, 509 Norwood Avenue, Buffalo, New York. Delegate-Member. In attendance. From Buffalo City Federation of Women's Clubs.

Cobb, Joseph P., M.D., 4649 Woodlawn Avenue, Chicago, Illinois. Member.

Cochrane, P. H., 130 Main Street, Buffalo, New York. Member.

Cochrane, William R., M.D., 721 Walnut Street, Knoxville, Tennessee. Member.

Coffeen, Elmer L., Superintendent Lyman School for Boys, Westboro, Massachusetts. Member. In attendance.

Coffran, Rev. Frank H., Classical Department, Masten Park High School, Buffalo, 81 Bryant Street, Buffalo, New York. Delegate. In attendance. From Classical Association of the Atlantic States.

Coggin, Mrs. S. R., Vice-President, Coggin National Bank, Brownwood, Texas. Delegate-Member. In attendance. From Brown County School Betterment League.

Cogswell, Dr. W. F., Helena, Montana. Member.

Cohansz, Rev. Bernard C., S.J., Professor, Canisius College, 651 Washington Street, Buffalo, New York. Delegate-Member. In attendance. From Canisius College.

Cohen, Dr. J. Y., Physician, 786 Elmwood Avenue, Buffalo, New York. Member. In attendance.

Cole, Hills, M.D., Director, Division of Publicity and Education, New York State Department of Health, 1748 Broadway, New York City. Delegate-Member. In attendance. From New York City; State Board of Health.

Cole, Leonard J., Inspector Department of Health, 1099 Genesee Street, Buffalo, New York. Member. In attendance.

Cole, Dr. Rebecca J., Physician, 721 South 19th Street, Philadelphia, Pennsylvania. Member. In attendance.

Cole, William H. J., British Vice-Consul, 327 Main Street, Buffalo, New York. Member. In attendance.

Coleman, Walter M., Author of Works on "Hygiene," American University Park, Washington, D. C. Associate Member. In attendance.

College of Dentistry, University of California, First and Parnassus Avenue, San Francisco, California, care of James G. Sharp, Dean. Member.

Collins, Agnes V., Teacher, 150 Parkview Avenue, Buffalo, New York. Associate Member. In attendance.

Collins, Joanna, 44 Ketchum Place, Buffalo, New York. Associate Member.

Collins, Lawrence J., 85 Eagle Street, Buffalo, New York. Member.

Collins, K. M., 527 Fulton Street, Buffalo, New York. Associate Member.

Colony, Miss M. Elizabeth, Teacher Physical Training, 193 Park Place, Brooklyn, New York. Member. In attendance.

Colton, Rt. Rev. Charles H., 1035 Delaware Avenue, Buffalo, New York. Member.

Colton, James C., Dental Inspector in Schools, Providence, Rhode Island. Delegate. In attendance. From City of Providence.

Comision D. de I. Primaria de Cerro Largo, Montevideo, Uruguay. Member.

Comme Commune, Bologna No. 12, Italy. Member.

The Committee of the Dutch Teachers' Society, Amsterdam, Netherlands. Member.

Commission for Elementary Schools, Dr. J. E. Enklaer, Utrecht, Netherlands. Member.

Connelley, Clifford B., Dean School of Applied Industries, Carnegie Institute of Technology, Pittsburgh, Pennsylvania. Delegate. In attendance. From National Association for the Study and Education of Exceptional Children.

Connolly, L. M., 23 Sage Avenue, Buffalo, New York. Associate Member.

Connor, Charlotte M., Superintendent School and District Nursing and Thompson House Hospital, Rhinebeck, New York. Member. In attendance.

Connor, Guy L., A.B., M.D., 703 Washington Arcade, Detroit, Michigan. Delegate-Member. In attendance. From Detroit.

R. H. Connor Company, 199 Pearl Street, Buffalo, New York. Member.

Connors, Mary L., 148 Fulton Street, Buffalo, New York. Associate Member.

Connors, Thomas W., 148 Fulton Street, Buffalo, New York. Member.

Considine, Catherine M., 200 Congress Street, Buffalo, New York. Associate Member.

Conway, J. C., 182 Main Street, Buffalo, New York. Member.

Cook, J. Horace, Superintendent of Buildings, 2242 Land Title Building, Philadelphia, Pennsylvania. Member. In attendance.

Cook, Dr. Joseph T., 636 Delaware Avenue, Buffalo, New York. Member.

Coonley, Raymond Benjamin, M.D., 229 Leyburn Avenue, Detroit, Michigan. Associate Member. In attendance.

Coonly, Miss Winifred, Teacher, 319 East Eagle Street, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Cooper, Flora B., Primary Supervisor, Los Angeles City Schools, 5 No. Washington Avenue, Whittier, California. Member. In attendance.

Cooper, Frank Irving, Architect, President Massachusetts Society of Heating and Ventilating Engineers, 33 Cornhill, Boston, Massachusetts. Delegate-Member. In attendance. From American Society of Heating and Ventilating Engineers.

Coppins, Ethel S., Teacher, 192 Baynes Street, Buffalo, New York. Member. In attendance.

Coppins, Francis T., 457 Richmond Avenue, Buffalo, New York. Member.

Corbey, John Percell, M.D., D.D.S., University of the South, Sewanee, Tennessee. Member.

Corbeil, A., Parish Priest, 306 Richmond Street, Montreal, Canada. Delegate-Member. In attendance. From Catholic School Commission, Montreal.

Corell, Alice F., 355 Prospect Avenue, Buffalo, New York. Member.

Corlett, Homer B., M.D., Inspector Cleveland Schools, 1110 Euclid Avenue, Cleveland, Ohio. Associate Member. In attendance.

Corcoran, Elizabeth A., 572 Plymouth Avenue, Buffalo, New York. Associate Member. In attendance.

Cornelissen, A., Medical Inspector of Schools, Deventer, Netherlands. Member.

Cornell, Van Alstyne H., M.D., 41 West State Street, Trenton, New Jersey. Delegate-Member. In attendance. From Trenton.

Cornell, Mrs. Van Alstyne H., 41 West State Street, Trenton, New Jersey. Associate Member. In attendance.

Cornell, Walter S., M.D., 729 City Hall, Philadelphia, Pennsylvania. Delegate-Member. In attendance. From City of Philadelphia; State of Pennsylvania.

Cornman, Olive P., 422 Church Lane, Philadelphia, Pennsylvania. Member.

Cortes, Señorita Profesora Genoveva, Mexico City, Mexico. Member.

Corwin, Fred M., M.D., Medical Inspector, 696 Avenue C, Bayonne, New Jersey. Delegate-Member. In attendance. From Board of Education, Bayonne.

Corwin, Richard Warren, Minnequa Hospital, Pueblo, Colorado. Member.

Cosio, Dr. Joaquin G., Mexico City, Mexico. Delegate-Member. In attendance. From Mexico.

Cosio, Mrs. Lidia D. de, la San Agustin 18, Mexico City, Mexico. Associate Member.

Costa, Alfonso Arbib, Instructor, College of the City of New York, New York City, Associate Member. In attendance.

Cotter, Ella A., 141 School Street, Buffalo, New York. Associate Member. In attendance.

Cotter, Mary E., Teacher, 141 School Street, Buffalo, New York. Associate Member. In attendance.

Coughlin, John, 57 East Oakwood Place, Buffalo, New York. Member.

Coughlin, John J., Jr., Milk Inspector, 77 Woodside Avenue, Buffalo, New York. Member. In attendance.

Coughlin, Nellie, 173 Fulton Street, Buffalo, New York. Associate Member.

Coveney, Mary L., Assistant Principal, 188 Abbott Road, Buffalo, New York. Associate Member. In attendance.

Cowles, Julia K., A.M., Teacher, 248 Ashland Avenue, Buffalo, New York. Associate Member. In attendance.

Cowling, Mrs. John V., Chairman, Department of Education in the New Jersey State Federation of Women's Clubs, Millville, New Jersey. Delegate-Member. In attendance. From The Women's Club.

Cox, Mrs. Edward, 399 Lafayette Avenue, Buffalo, New York. Member.

Crafts, Ida K., 107 Lafayette Avenue, Buffalo, New York. Member. In attendance.

Craggy, Mrs. Lucy Satu, 93 Myrtle Street, Manchester, New Hampshire. Delegate-Member. In attendance. From Manchester.

Crampton, C. Ward, M.D., Department of Education, New York City. Delegate-Member. In attendance. From New York City Schools; City of New York; Board of Education; Physical Education Society of New York and vicinity.

Crandall, Ella Phillips, Executive Secretary of the National Organization for Public Health Nursing, 54 East 34th Street, New York City. Delegate-Member. In attendance. From National Organization for Public Health Nursing.

Crangle, Roland, 401 Peoples Bank Bldg., Buffalo, New York. Member.

Crankshaw, Charles W., D.D.S., M.D., Physician in Charge, The Prudential Infirmary, Prudential Insurance Company of America, Newark, New Jersey. Delegate-Member. In attendance. From The Prudential Infirmary.

Crass, Albert, Executive Secretary, 643 Real Estate Trust Building, Philadelphia, Pennsylvania. Delegate-Member. In attendance. From Child Hygiene Association of Philadelphia.

Cravath, E. A., 974 Ellicott Square, Buffalo, New York. Associate Member.

Crawford, Mary E., M.D., C.M., Medical Inspector Winnipeg Schools, 11 The Waldron, Broadway, Winnipeg, Canada. Member. In attendance.

Crelin, Mary A., 618 Auburn Avenue, Buffalo, New York. Member. The John Crerar Library, Chicago, Illinois. Member.

Cripps, C. Beatrice, 134 Leroy Avenue, Buffalo, New York. Member.

Cristy, Edward B., 201 S. Walter Street, Albuquerque, New Mexico. Member.

Cronin, John J., M.D., Assistant Director Child Hygiene, Department of Health, New York City, 317 West 55th Street, New York City. Delegate-Member. In attendance. From Royal Sanitary Institute, London, S. W.

Cronyn, Mary M., Principal, 175 Farmer Street, Buffalo, New York. Member. In attendance.

Crook, H. R., 63 East 50th Street, Chicago, Illinois. Member.

Crosby, William H., 137-139 Pratt Street, Buffalo, New York. Member.

Cross, Dr. Harold DeWitt, Director of the Forsyth Dental Infirmary for Children, 149 Tremont Street, Boston, Massachusetts. Delegate-Member. In attendance. From Forsyth Dental Infirmary for Children.

Crowley, Miss Anne L., R. N., Health Supervisor in Public Schools, Pocatello, Idaho. Delegate-Member. In attendance. From State of Idaho.

Crowley, Dr. Ralph H., Board of Education, Whitehall, London, England. Delegate-Member. In attendance. From His Britannic Majesty's Government, and the Board of Education for England and Wales.

Crowley, Mrs. Ralph H., Board of Education, Whitehall, London, England. Associate Member. In attendance.

Cruickshank, Lewis D., Medical Office, Scottish Education Department, 14 Queen Street, Edinburgh, Scotland. Delegate-Member. In attendance. From Board of Education.

Crull, E. A., Health Commissioner, Fort Wayne, Indiana. Delegate-Member. In attendance. From Board of Health.

Crum, H. H., M.D., Health Officer, City of Ithaca, 116 East State Street, New York City. Member.

Cuerpo Medico Escolar, Montevideo, Uruguay. Member.

Culp, Dr. John F., Harrisburg, Pennsylvania. Member.

Culver, Martin B., 1529 Locust Street, Philadelphia, Pennsylvania. Member. In attendance.

Cummer, Mildred M., Teacher, 912 Lafayette Avenue, Buffalo, New York. Associate Member. In attendance.

Cumming, Dr. James G., In Charge of Pasteur Institute, University of Michigan, Ann Arbor, Michigan. Member. In attendance.

Curtis, Alexander M., 419 Chamber of Commerce Building, Buffalo, New York. Member.

Curtis, Miss Frances J., Member Boston School Committee, 28 Mt. Vernon Street, Boston, Massachusetts. Associate Member. In attendance.

Cushing, Irene B., School Teacher, 610 Fargo Avenue, Buffalo, New York. Associate Member. In attendance.

Cushman, John M., Member of Board of Education, Jamestown, New York. Delegate. In attendance. From City of Jamestown.

Czerwinka, Mrs. Julia, Teacher, 987 West Delavan Avenue, Buffalo, New York. Member. In attendance.

Dabarcá, Sr. Andra, Montevideo, Uruguay. Member.

Dale, Professor J. A., Professor of Education, McGill University, Montreal, Canada. Member.

Danahy, M. Louise, Teacher, 2378 Main Street, Buffalo, New York. Associate Member. In attendance.

Daniels, John, General Secretary, Social Service Corporation, 801-807 Garrett Building, Baltimore, Maryland. Delegate. In attendance. From Social Service Corporation, Baltimore, Maryland.

Darling, William, Medical Officer to Edinburgh Provincial Committee for Training of Teachers, 2 Warrenden Park Terrace, Edinburgh, Scotland. Delegate-Member. In attendance. From Edinburgh Provincial Committee for Training of Teachers.

Dart, Mrs. Joseph, 102 Richmond Avenue, Buffalo, New York. Associate Member. In attendance.

Davenport, F. I., Teacher of Psychology, New York Training School for Teachers, 106 Morningside Drive, New York City. Member. In attendance.

Davies, Annie E., Critic, School Practice, Buffalo Normal School, 165 Tremont Street, North Tonawanda, New York. Associate Member. In attendance.

Davila, Humberto Fernandes, D.D.S., Professor of Dental School, 3712 Spruce Street, Philadelphia, Pennsylvania. Delegate-Member. In attendance. From Dental Association of Peru.

Davis, Alfred W., Director of School Board, Kingston, Pennsylvania. Delegate. In attendance.

Davis, Rev. Cameron J., 449 Delaware Avenue, Buffalo, New York. Member.

Davis, Edward J., M.D., Zuni, New Mexico. Member.

Davis, Emma M., 152 Hampshire Street, Buffalo, New York. Associate Member.

Davis, Fellowes, Jr., M.D., 58 West 47th Street, New York City. Member.

Davis, George S., Normal College, Park Avenue and 66th Street, New York City. Member.

Davis, Dr. Herbert Leland, School Inspector, 718 Schofield Building, Cleveland, Ohio. Member. In attendance.

Davis, Jacob L., 68 Colonial Circle, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Davis, Jennie C., 52 Bidwell Parkway, Buffalo, New York. Associate Member.

Davis, M. Elsie, 152 Hampshire Street, Buffalo, New York. Associate Member.

Davis, Waittie G., Assistant, Lafayette High School, Buffalo, New York. Associate Member. In attendance.

Day, Dr. Dudley W., Supervisor of Hygiene, Rockford Public Schools, Rockford, Illinois. Member.

Day, Mary Gage, M.D., 207 Wall Street, Kingston, New York. Member.

Dayment, Frank L., 450 Elmwood Avenue, Buffalo, New York. Member.

Dean, A. Grace, 458 Plymouth Avenue, Buffalo, New York. Associate Member.

Dean, Jessie L., Public School Teacher, 24 Russell Avenue, Buffalo, New York. Associate Member. In attendance.

Décarie, Jean P., M.D., Professor Laval University, 87 St. Famille Street, Montreal, Canada. Delegate-Member. In attendance. From Laval University; Catholic School Commission, Montreal.

Deerdan, Margaret L., 123 St. James Place, Buffalo, New York. Associate Member.

Deetjen, F., Dominican Consul General from Santo Domingo, 17 Battery Place, New York City. Delegate-Member. In attendance. From Santo Domingo.

De Garmo, Mrs. Frank, 6186 Washington Avenue, St. Louis, Missouri. Member. In attendance.

De Groat, Herman C., School Principal, 218 Carolina Street, Buffalo, New York. Member. In attendance.

De Groat, Herman K., M.D., 359 Lafayette Avenue, Buffalo, New York. Member. In attendance.

Deichmiller, Conrad, D.D.S., Chairman California Exhibit Committee, 609-614 Union Oil Building, Los Angeles, California. Member. In attendance.

Dembrowski, E. I., 1358 Broadway, Buffalo, New York. Member.

Denecke, Lena S., 79 Royal Avenue, Buffalo, New York. Associate Member.

Denison, Elsa, 261 Broadway, New York City. Delegate-Associate Member. In attendance. From State of Colorado.

Dennis, E. R., Chairman, Board of Education, London, Ontario, Canada. Delegate-Associate Member. In attendance. From Board of Education, London, Ont.

Dennis, Laban, M.D., 49 Ridge Street, Orange, New Jersey. Member.

Denton, Minna C., Lewis Institute, Chicago, Illinois. Member.

Department of Education, College of the City of New York, 139th Street and Convent Avenue, New York City. Member.

Department of Surveys and Exhibits, Russell Sage Foundation, care John M. Glenn (General Director), 105 East 22d Street, New York City. Member.

DeShon, C. H., School Principal, 449 Ashland Avenue, Buffalo, New York. Member.

Detroit Society for the Study and Prevention of Tuberculosis, 513 Woodward Arcade, Detroit, Michigan. Member.

Devine, Graham, 86 Hodge Avenue, Buffalo, New York. Member.

DeWitt, Dr. G. E., Medical Society Nova Scotia, Wolfville, Nova Scotia. Delegate. In attendance. From Nova Scotia Medical Society.

Diaz, Dr. Med. Patricio Borobio y, Professor Facultad de Medicina, Coso 43 y 45, Zaragoza, Spain. Member.

Diaz, R. Camilo, Consul-General of Honduras, 31 Broadway, New York City. Delegate-Member. In attendance. From Honduras.

Dickinson, George A., M.D., Medical Officer of Health, Port Hope, Ontario, Canada. Member. In attendance.

Dickinson, Melville D., Deputy Health Officer, 1937 Fifth Avenue, Troy, New York. Delegate-Member. In attendance. From Troy.

Dickson, W. E., D.D.S., Glenolden, Pennsylvania. Delegate-Member. In attendance. From North Carolina Oral Hygiene Society.

Diebold, George, 352 Woodlawn Avenue, Buffalo, New York. Member.

Diebold, Willard B., Food and Drug Division, Milk Inspector, 636 East Ferry Street, Buffalo, New York. Member. In attendance.

Dieckmann, Miss A. M., Inspector for State Board of Charities, 415 Vermont Street, Buffalo, New York. Associate Member. In attendance.

Dieckmann, Dr. Louisa, Physician, 415 Vermont Street, Buffalo, New York. Associate Member. In attendance.

Diem, Eugenia, Domestic Science Instructor, 82 Russell Avenue, Buffalo, New York. Associate Member. In attendance.

Dimendstein, Ben, 2536 East 38th Street, Cleveland, Ohio, Delegate. In attendance. From National Mouth Hygiene Association.

Dimick, Mrs. Ella J., West Palm Beach, Florida. Delegate. In attendance. From Florida.

Dimmick, A. D., 145 Franklin Street, Buffalo, New York. Associate Member.

Dimmick, Fenton H., 445 Auburn Avenue, Buffalo, New York. Member.

Direccion-General de I. Primaria, Montevideo, Uruguay. Member.

Dittenhoefer, Judge A. J., Lawyer, 17 East 83d Street, New York City. Delegate-Member. In attendance. From State of New York.

Dixon, Dr. Samuel G., State Department of Health, Harrisburg, Pennsylvania. Member.

Dodge, Alice, 66 Berkeley Place, Buffalo, New York. Associate Member. In attendance.

Dodge Drug Store, 381 Main Street, Buffalo, New York. Member.

Dodson, S. E., Orthodontia, 625 Ashton Building, Grand Rapids, Michigan. Member. In attendance.

Doherty, W. H., D.D.S., Dental Inspector of Schools, 26 College Street, Toronto, Ontario, Canada. Member. In attendance.

Dold, Mrs. Edward F., 498 Linwood Avenue, Buffalo, New York. Delegate-Member. In attendance. From Buffalo.

Dold, Jacob C., 703 William Street, Buffalo, New York. Member.

Doll, Caroline L., School Teacher, 587 Ellicott Street, Buffalo, New York. Associate Member. In attendance.

Donahue, Rt. Rev. P. J., D.D., Box 176, Wheeling, West Virginia. Member.

Donnelly, James H., Tuberculosis Inspector, Department of Health, 16 West Avenue, Buffalo, New York. Member. In attendance.

Donovan, Anna M., School Principal, 34 York Street, Buffalo, New York, Member. In attendance.

Dooker, Miss Matilda B., 89 Hoyt Street, Buffalo, New York. Member.

Dorasewicz, Mrs. Bertha, 750 Fillmore Avenue, Buffalo, New York. Delegate-Member. In attendance. From Buffalo.

Dorcus, Emma E., School Nurse, 105 Parade Street, Providence, Rhode Island. Associate Member. In attendance.

Dort, Elizabeth, M.D., 608 Fillmore Avenue, Buffalo, New York. Member. In attendance.

Dowling, H. M., Food and Drug Inspector, 117 Wakefield Avenue, Buffalo, New York. Member. In attendance.

Downing, Elliott Rowland, University of Chicago, School of Education, Chicago, Illinois. Member. In attendance.

Downes, Frederick E., Superintendent of Schools, Harrisburg, Pennsylvania. Delegate-Member. In attendance. From Board of Education, Harrisburg.

Dowsley, Dr. John F., Board of Trustees, Forsyth Dental Infirmary, Boston, Massachusetts. Delegate-Member. In attendance. From Forsyth Dental College.

Drake, F. A., M.D., Medical School Examiner, Buffalo, New York. Member. In attendance.

Drake, Mrs. George M., Chairman Civics and Philanthropy Department of the Chicago West End Women's Club; Vice-President, Chicago Young Women's Christian Association, 129 South Madison Avenue, La Grange, Illinois. Delegate. In attendance. From West End Women's Club.

Dresslar, Dr. Fletcher B., George Peabody College for Teachers, Nashville, Tennessee. Member. In attendance.

Drew, Frank, State Normal School, Indiana, Pennsylvania. Member.

Drewelow, M. F., 586 Main Street, Buffalo, New York. Member.

Dreyfus, Dr. Wilhelm, 57 East 96th Street, New York City. Member.

Drinhard, Dr. R. U., Medical Inspector of Schools, 2345 Chaplain Street, Wheeling, West Virginia. Delegate-Member. In attendance. From Board of Education.

Duane, Alexander, M.D.; 139 East 39th Street, New York City. Member.

Dubeau, Eudore, D.D.S., Dean, Laval University, School of Dental Surgery, 308 Sherbrooke, East Montreal, Canada. Delegate-Member. In attendance. From Laval University.

Dubois, Naz., General Inspector, Montreal, Canada. Delegate-Member. In attendance. From Catholic School Commission.

Duckett, J. D., M.D., Chairman, Hygiene Committee Public School Board, Houston, Texas. Member. In attendance.

Dudley, J. L., M.D., D.D.S., National Bank of Cuba, Nueva Gerona, Cuba. Delegate-Member. In attendance. From Cuba.

Dufestel, Dr. Louis, School Physician, 10 Boulevard Magenta, Paris, France. Member.

Duffy, James P. B., 1012 Insurance Building, Rochester, New York. Member.

Duffy, M. C., 96 Edson Street, Buffalo, New York. Associate Member.

Dukes, Clement, M.D. (Lond.), F.R.C.P. (Lond.), J.P., Sunnyside, Rugby, England. Consulting physician to Rugby School. Member.

Dunford, Mary J., 471 Perry Street, Buffalo, New York. Associate Member.

Dunn, Dr. D. J., Medical Inspector of Schools, Edmonton, Alberta, Canada. Delegate-Member. In attendance. From Canadian Medical Association; Edmonton Public School Board.

Durdan, Margaret L., 123 St. James Place, Buffalo, New York. Associate Member. In attendance.

Durkee, C. Josephine, Investigator of Tuberculosis, Survey of Monroe County, 95 Troup Street, Rochester, New York. Delegate. In attendance. From Rochester Public Health Association.

Durney, Edward, M.D., Medical School Examiner, 208 Baynes Street, Buffalo, New York. Member. In attendance.

Durney, M. Josephine, Critic-Teacher, 208 Baynes Street, Buffalo, New York. Associate Member. In attendance.

Dutch Central Society (Tuberculosis), Secretary-Treasurer, C. Dekker, The Hague, Netherlands. Member.

Dutcher, Adelaide, M.D., 841 University Block, Syracuse, New York. Associate Member. In attendance.

Dyer, Dean Isidore, Tulane University, Medical Department, New Orleans, Louisiana. Member.

Dyke, Homer E., City Food and Drug Inspector, Health Department, 35 Coe Place, Buffalo, New York. Member. In attendance.

Eadie, Miss Ethel E., Lecturer, Household Science Department, University of Toronto, 36 Howland Avenue, Toronto, Canada. Member. In attendance.

Eagan, S. B., Hotel Broezel Company, Buffalo, New York. Member.

Eason, Thomas D., Head, Department of Biology, State Normal School, Farmville, Virginia. Delegate-Member. In attendance. From State of Virginia.

Eberhardt, Dora, Teacher, 33 Summit Avenue, Buffalo, New York. Member. In attendance.

Ebersole, W. G., M.D., D.D.S., Secretary-Treasurer, National Mouth Hygiene Association, 800 Schofield Building, Cleveland, Ohio. Delegate-Member. In attendance. From National Dental Association; National Mouth Hygiene Association.

Eddy, Mrs. Nona B., School Principal, Helena, Montana. Delegate-Member. In attendance. From State of Montana.

Edmonson, R. H., M.D., Medical Inspector of Schools, Morgantown, West Virginia. Member. In attendance.

Edsall, David L., M.D., Jackson Professor of Clinical Medicine, Harvard Medical School, Boston, Massachusetts. Member Society for Experimental Biology and Medicine. Member.

Edward, Howard, LL.D., President Rhode Island State College, Kingston, Rhode Island. Delegate-Member. In attendance. From State of Rhode Island.

Edwards, Clarence Bartlett, 460 Piccadilly Street, London, Ontario, Canada. Delegate-Member. In attendance. From Board of Education, London, Canada.

Egbert, Seneca, M.D., Professor of Hygiene and Dean Medico-Clinical College of Philadelphia, 4814 Springfield Avenue, Philadelphia, Pennsylvania. Member.

Eisele, Edward A., 608 West Ferry Street, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Elder, Ella C., Supervisor of Kindergartens, 731 Elmwood Avenue, Buffalo, New York. Member. In attendance.

Elder, Mary L., School Nurse, 1801 East Main Street, Ottumwa, Iowa. Member. In attendance.

Eleysen, Miss Frances P., School Nurse, Richmond, Virginia. Delegate-Associate Member. In attendance. From Medical Inspection Department of the Richmond Public Schools.

Elias, Mrs. A. J., 237 Linwood Avenue, Buffalo, New York. Associate Member. In attendance.

Elias, A. J., 965 Elk Street, Buffalo, New York. Member.

Eliot, Charles W., President Emeritus of Harvard University, Cambridge, Massachusetts. Member. In attendance.

Elliott, Miss Maria S., Simmons College, 118 Charles Street, Boston, Massachusetts. Member.

Elizabeth McCormick Memorial Fund, 315 Plymouth Court, Chicago, Illinois. Mabel Brown Ellis, Representative. Delegate-Member. In attendance.

Ellis, Dr. A. Caswell, Professor of Philosophy of Education, University of Texas, Austin, Texas. Delegate-Member. In attendance. From University of Texas.

Ellis, Jane, 763 Bird Avenue, Buffalo, New York. Associate Member.

Elsom, J. C., University of Wisconsin, Madison, Wisconsin. Member.

Elwood, Everett S., State Charities Aid Association, 105 East 22d Street, New York City. Delegate-Member. In attendance. From State Charities Aid Association.

Emens, Clara R., Director of Penmanship, 344 West Avenue, Buffalo, New York. Member. In attendance.

Emerson, Harrington, 30 Church Street, New York City. Delegate-Member. In attendance. From New York State.

Emerson, Henry P., LL.D., 122 College Street, Buffalo, New York. Delegate-Member. In attendance. From City of Buffalo.

Emmons, Arthur B., Newport, Rhode Island. Member.

Emerson, E. D., 587 Ashland Avenue, Buffalo, New York. Associate Member.

Englebreck, Helen G., Teacher Buffalo State Normal, 110 14th Street, Buffalo, New York. Member. In attendance.

English, F. C., 128 Park Avenue, Portland, Oregon. Delegate. In attendance. From Oregon State Social Hygiene Society.

Ennett, Dr. N. Thomas, Medical Director Richmond Public Schools, Richmond, Virginia. Delegate-Member. In attendance. From City of Richmond.

Ennis, Mrs. Robert Berry, Member School Board, 1817 Chicago Avenue, Evanston, Illinois. Delegate-Member. In attendance. From Illinois Federation of Women's Clubs, and Evanston School Board.

Erb, H. L., D.D.S., Orwigsburg, Pennsylvania. Member.

Eschelman, Dr. S., 421 Franklin Street, Buffalo, New York. Member. In attendance.

Eshleman, Dr. M. Burton, 170 Hodge Avenue, Buffalo, New York. Member. In attendance.

Evans, Annie, 424 Adams Street, Buffalo, New York. Member.

Evans, Samuel, 79 Nugget Street, Johannesburg, South Africa. Member.

Evans, Sarah M., Public School Nurse, 1108 Charlotte Avenue, Youngstown, Ohio. Associate Member. In attendance.

Evans, W. A., Chicago Tribune, Chicago, Illinois. Member. In attendance.

Eveleth, Charles F., Heating Engineer, 120 Boylston Street, Boston, Massachusetts. Member. In attendance.

Everhard, Dr. Eleanor S., A.M., M.D., Honorary Chairman of the Committee for Public Health Education Among Women of the American Medical Association, The Calvert, Dayton, Ohio. Delegate-Member. In attendance. From Montgomery County Medical Society of Ohio.

Faber, J. P., M.D., 103 Seward Place, Schenectady, New York. Member.

Fagan, C. J., Secretary Provincial Board of Health, Victoria, British Columbia. Member.

Fairbush, I. D., 246 Glenwood Avenue, Buffalo, New York. Associate Member.

Falk, Eugene L., 804 D. S. Morgan Building, Buffalo, New York. Member.

Falk, Mildred, 189 Norwood Avenue, Buffalo, New York. Associate Member.

Falkner, W. H., M.D., Medical Health Officer, Department of Health, 1041 East 63d Street, Chicago, Illinois. Delegate-Member. In attendance. From State of Illinois.

Farmer, W. S., M.D., Chairman School Board, Cookeville, Tennessee. Member. In attendance.

Farrand, Dr. Livingston, 289 Fourth Avenue, New York City. Member.

Farrell, Elizabeth E., Inspector of Ungraded Classes, Board of Education, 500 Park Avenue, New York City. Delegate. In attendance. From State of New York and Board of Education of New York City.

Fauver, Dr. Edgar, Wesleyan University, Middletown, Connecticut. Member.

Fayette, William C., Principal Lackawanna High School, Lackawanna, New York. Associate Member. In attendance.

Felician Sisters, O.S.F., Immaculate Heart of Mary Asylum, William and Kennedy Streets, East Buffalo, New York. Member.

Fellows, George, 325 Franklin Street, Buffalo, New York. Member. In attendance.

Fenimore, Beulah A., Teacher in Charge Northeast High School for Girls, 147 Manheim Street, Philadelphia, Pennsylvania. Associate Member. In attendance.

Fenn, Miss Lois, Orbage City, Florida. Member.

Fennix, Miss Martha E., 20 East Avenue, Newark, New Jersey. Member.

Fenno, Estelle, Teacher, Washington, D. C. Associate Member. In attendance.

Ferguson, E. E., Superintendent of Board of Education, 1901 Center Avenue, Bay City, Michigan. Delegate-Member. In attendance. From State of Michigan.

Ferguson, R. Ralph, M.D., Chicago Medical Society, Milk Committee, 3923 North 42d Street, Chicago, Illinois. Delegate-Member. In attendance. From State of Illinois.

Fernald, Mabel R., Instructor in Psychology, Chicago Normal College, 5465 Greenwood Avenue, Chicago, Illinois. Member. In attendance.

Fernald, Walter E., M.D., Superintendent Massachusetts School for Feeble-Minded, Waverly, Massachusetts. Member. In attendance.

Ferreira, Dr. Clemente, 101 Rua General Jardin, Sao Paulo, Brazil. Member.

Ferrell, John A., M.D., Director Rockefeller Sanitary Committee, Assistant Secretary, Board of Health of North Carolina, 725 Southern Boulevard, Washington, D. C. Delegate-Member. In attendance. From State of North Carolina.

Fette, Franklin C., Instructor in Physical Education, Wellesley College, Wellesley, Massachusetts. Member. In attendance.

Fichtner, Katherine E., Principal Open Air School, 97 South Union Street, Rochester, New York. Delegate. In attendance. From Board of Education of Rochester.

Fickes, W. L., D.D.S., Professor Ceramics, History and Hygiene, School of Dentistry, University of Pittsburgh, Pennsylvania, 6200 Penn Avenue, Pittsburgh, Pennsylvania. Delegate-Member. In attendance. From School of Dentistry and University of Pittsburgh.

Fiebeger, Frank, Member Board of Education, Akron, Ohio. Delegate-Member. In attendance. From City of Akron.

Fielder, Charles W., 692 Seventh Street, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Finegan, Thomas E., Assistant Commissioner, Elementary Education, State of New York, Albany, New York. Delegate-Member. In attendance. From State of New York.

Findlay, J. M., 2278 Main Street, Buffalo, New York. Member.

Finley, John H., Commissioner of Education, New York. Member. In attendance.

Fischle, Julia C., Teacher, 889 Northampton Street, Buffalo, New York. Associate Member. In attendance.

Fisher, C. R. P., M.D., Bound Brook, New Jersey. Member.

Fisher, Frederick W., Principal Public School 20, Day's Park, Buffalo, New York. Member. In attendance.

Fisher, Henry M., Member Board of Education, 109 Seaside Avenue, Atlantic City, New Jersey. Delegate-Member. In attendance. From Atlantic City.

Fisher, Irving, Professor at Yale University, 460 Prospect Street, New Haven, Connecticut. Delegate-Member. In attendance. From State of Connecticut.

Fitch, Anna E., 45 Lexington Avenue, Buffalo, New York. Member.

Fite, Dr. Francis B., Member, State Board of Education, Muskogee, Oklahoma. Delegate-Member. In attendance. From State Board of Education.

Fitz, Dr. George E., Peconic, Long Island, New York. Member. In attendance.

Fitzpatrick, Charles B., M.D., 1028 Park Avenue, New York City. Associate Member. In attendance.

Fitzpatrick, William H., 1875 Seneca Street, Buffalo, New York. Member.

Flannagan, Dr. Roy K., Director of Inspection, Virginia State Board of Health, Richmond, Virginia. Delegate-Member. In attendance. From State of Virginia.

Flavin, Helen D., 186 Chicago Street, Buffalo, New York. Associate Member.

Fleischman, Laura S., Grade Teacher, 295 Woodward Avenue, Buffalo, New York. Associate Member. In attendance.

Fleming, John, Jamaica, New York. Member.

Fleming, Mrs. Kate Hays, Second Grade Teacher, Raleigh, North Carolina. Delegate-Member. In attendance. From State of North Carolina.

Fleming, Mary B., Teacher, 432 Pearl Street, Buffalo, New York. Associate Member. In attendance.

Fling, Harry R., Oshkosh Normal School, Teacher of Physiology, Oshkosh, Wisconsin. Member. In attendance.

Flint, Captain C. K., Supervisor of Physical Training, Edmonton, Alberta, Canada. Delegate-Member. In attendance. From Edmonton Public Schools.

Florer, Alice, County Superintendent of Schools, York, Nebraska. Member.

The Florida Federation of Women's Clubs, care of Dr. Ellen Lowell Stevens, Chairman, Health Committee, 2050 Hill Street, Jacksonville, Florida. Member.

Fogerty, Elsie, Lecturer to London Education Authority, 29 Queensberry Place, London, England. Member. In attendance.

Foley, Mrs. David, Member, Executive Board Catholic Women's Saturday Club, 14 Lyth Avenue, Buffalo, New York. Delegate. In attendance. From The Catholic Women's Saturday Afternoon Club.

Folks, Homer, Secretary, New York State Charities Aid Association, Secretary Probation Commission of New York State, and Member of the National Committee for Mental Hygiene, 428 Hawthorne Avenue, Yonkers, New York. Member.

Foltz, James A., Fort Smith, Arkansas. Member.

Fones, Alfred C., D.D.S., 10 Washington Avenue, Bridgeport, Connecticut. Delegate-Member. In attendance. From National Dental Association.

Forbes, E. J., Governing Director, 13 Castlereagh Street, Sydney, Australia. Member. In attendance.

Forbes, Mrs. E. J., 13 Castlereagh Street, Sydney, Australia. Associate Member. In attendance.

Forbes, Mrs. Malcomb, Naushon, Woods Hole, Massachusetts. Member.

Ford, Julia L., 10 Emerson Place, Buffalo, New York. Associate Member.

Ford, Peter J., Ford Building, Wilmington, Delaware. Delegate. In attendance. From State of Delaware.

Forrestel, Dr. Edward P., Medical School Inspector, 2009 Seneca Street, Buffalo, New York. Member. In attendance.

Forster, Viola, Teacher, 260 Walnut Street, Buffalo, New York. Member. In attendance.

Forsyth, William J., 57 Seneca Street, Buffalo, New York. Member.

Fort, A. G., M.D., Director of Field Sanitation, Georgia State Board of Health, Atlanta, Georgia. Member. In attendance.

Fosdick, Frank S., Principal Masten Park High School, 300 Baynes Street, Buffalo, New York. Member.

Foster, Harold E., M.D., Medical Inspector, Castile, New York. Member. In attendance.

Foster, James H., Assistant Secretary American Federation for Sex Hygiene, 105 West 40th Street. Delegate-Member. In attendance. From American Federation for Sex Hygiene.

Foster, Dr. N. K., Director Health Department, 609 Santa Ray Avenue, Oakland, California. Delegate-Member. In attendance. From City of Oakland.

Foust, Thomas R., County Superintendent of Schools, Greensboro, North Carolina. Delegate. In attendance. From North Carolina.

Fowler, J. V., M.D., 2510 North Kedzie Avenue, Chicago, Illinois. Member.

Fowler, Mary H., Critic, School of Practice, North Tonawanda, New York. Associate Member. In attendance.

Fox, Ada H., Head of English Department, Masten Park High School, 238 Prospect Avenue, Buffalo, New York. Member. In attendance.

Fox, Hugh F., 508 Central Avenue, Plainfield, New Jersey. Member.

Frambach, Gena M., Teacher of German, School No. 22, Buffalo, New York. Associate Member. In attendance.

Frank, Elizabeth, Teacher, 178 Orlando Street, Buffalo, New York. Associate Member. In attendance.

Frankel, Dr. Lee K., Sixth Vice-President, Metropolitan Life Insurance Company, 1 Madison Avenue, New York City. Delegate-Member. In attendance. Metropolitan Life Insurance Company, and The National Association for the Study and Prevention of Tuberculosis.

Frankland, W. Smith, D.D.S., Burlington Apartment, 1120 Vermont Avenue, N. W., Washington, D. C. Member.

Franklin, Hazel I., 419 Glenwood Avenue, Buffalo, New York. Associate Member.

Franklin, Milton W., Chief Engineer, Ozone Department General Electric Company, Bloomfield, New Jersey. Member. In attendance.

Franklin School, Helen Cumpson, Representative, 146 Park Street, Buffalo, New York. Member. In attendance.

Franz, Shepherd Ivory, Scientific Director, Government Hospital for the Insane, St. Elizabeth's, Washington, D. C. Delegate-Member. In attendance. From District of Columbia.

Frauenthal, Mrs. Joseph, President Arkansas Federation Women's Clubs, Conway, Arkansas. Member. In attendance.

Frazer, Elizabeth J., Domestic Science Teacher, 457 Parkside Avenue, Buffalo, New York. Associate Member. In attendance.

Frederick, J. M. H., Superintendent of Cleveland Schools, Lakewood, Ohio. Delegate-Member. In attendance. From City of Cleveland.

Freeman, Cora, Lafayette High School, 262 Jersey Street, Buffalo, New York. Associate Member. In attendance.

Freeman, Harry, 2537 East 29 Street, Cleveland, Ohio. Delegate. In attendance. From National Mouth Hygiene Association.

Freeman, Rowland Godfrey, M.D., Adjunct Professor of Pediatrics, University and Bellevue Medical School, 211 West 57 Street, New York City. Delegate-Member. In attendance. From New York University.

Free Public Library, Newark, New Jersey. Member.

Friedrich, Andrew, M.D., D.D.S., Dean of the School of Dentistry, Tulane University, New Orleans, Louisiana. Member. In attendance.

Friend, Mrs. Joseph, President of Women's Co-operative Clubs, President of the New Orleans Section of Council of Jewish Women, and State President of Mothers' Congress, 1807 Palmer Avenue, New Orleans, Louisiana. Member.

Friends' Central School, 15th and Race Streets, Philadelphia, Pennsylvania. W. E. Barrett, Representative. Member. In attendance.

Fronczak, Dr. F. E., Commissioner of Health, Buffalo, New York. Delegate-Member. In attendance. From State of New York, City of Buffalo, and American Public Health Association.

Frost, E. R., 489 Plymouth Avenue, Buffalo, New York. Member.

Frost, J. M., Ph.D., 1841 Clinton Street, Buffalo, New York. Member.

Fruchte, Amelia C., 441 Washington Avenue, St. Louis, Missouri. Delegate-Member. In attendance. From City of St. Louis and Board of Education.

Frye, Maud J., 211 Highland Avenue, Buffalo, New York. Member. In attendance.

Fryer, Robert L., 270 Main Street, Buffalo, New York. Member.

Fulkerson, Dr. C. B., Medical Inspector of Schools, Consulting Ophthalmologist to Tuberculosis Clinic, Kalamazoo, Michigan. Member. In attendance.

Fulkerson, Mrs. C. B., 422 West Vine Street, Kalamazoo, Michigan. Delegate. In attendance. From Ladies' Library Club and Civic League.

Fulton, Dr. J. A., President Board of Education, Kansas City, Kansas. Delegate-Member. In attendance. From Kansas City Board of Health.

Fulton, Dr. John S., Secretary State Board of Health of Maryland, 6 East Franklin Street, Baltimore, Maryland. Delegate-Member. In attendance. From State Board of Health.

Funderbuck, J. E., D.D.S., Cherow, South Carolina. Delegate-Member. In attendance. From South Carolina State Dental Association.

Furrer, Arnold F., M.D., Assistant Medical School Inspector, District Physician, 1110 Euclid Avenue, Cleveland, Ohio. Associate Member. In attendance.

Gager, Sarah A., 49 10th Street, Buffalo, New York. Member.

Gallie, Dr. Donald McKay, 32 North State Street, Chicago, Illinois. Delegate-Member. From State of Illinois.

Gallivan, William H., M.D., Chief Division of Child Hygiene, Health Department, 100 Summer Street, Boston, Massachusetts. Delegate-Member. In attendance. From Division of Child Hygiene and Board of Health of Boston.

Gard, Walter Emery, Field Secretary, Connecticut Society of Social Hygiene, Hartford, Connecticut. Delegate. In attendance. From The Society of Social Hygiene.

Garrett, Laura B., Member American Federation for Sex Hygiene, American Association, 156 Fifth Avenue, New York City. Associate Member. In attendance.

Garrett, Robert, President Social Service Corporation, Continental Building, Baltimore, Maryland. Member. In attendance.

Gary, John A., Milk Inspector, 465 Breckenridge Street, Buffalo, New York. Member. In attendance.

Gary, Lester B., Head of Department of Biology, Central High School, 31 Berkeley Place, Buffalo, New York. Member. In attendance.

Gates, Ada M., School Principal, 618 Auburn Avenue, Buffalo, New York. Member. In attendance.

Gath, Mary S., 191 Orange Street, Buffalo, New York. Associate Member. In attendance.

Gavin, Joseph E., Finance Committee, 758 Lafayette Avenue, Buffalo, New York. Member. In attendance.

Gavin, Mrs. Joseph E., 758 Lafayette Avenue, Buffalo, New York. Delegate. In attendance. From State of New York.

Gavin, Kathryn, 32 Hayden Street, Buffalo, New York. Associate Member.

Gaylord, H. R., Director State Institute for Malignant Diseases, 113 High Street, Buffalo, New York. Member. In attendance.

Gazlay, Elsie Ryerson, Open-air School Teacher, 135 Bird Avenue, Buffalo, New York. Delegate-Member. In attendance. From City of Buffalo.

Gebhardt, Mrs. Adam F., Women's Saturday Afternoon Club, 571 Potomac Avenue, Buffalo, New York. Delegate. In attendance. From Women's Saturday Afternoon Club.

Geisel, Dr. Carolyn E., Dean Department of Health, Shorter College, Rome, Georgia; Member of Medical Staff, Sanitarium, Battle Creek Health Company; Member General Federation of Women's Clubs. Delegate-Member. In attendance. From Battle Creek, Michigan.

Gummel, Marion, 228 Linwood Avenue, Buffalo, New York. Associate Member.

George Washington University Library, 2023 G Street, N.W., Washington, D. C. Member.

Gese, Clara C., Teacher, 520 Woodlawn Avenue, Buffalo, New York. Associate Member. In attendance.

Gesell, Arnold, Department of Education, Yale University, New Haven, Connecticut. Delegate-Member. In attendance. From the State of Connecticut.

Gessmann, Dr. Albert, Lerchenfelderstrasse No. 31, Vienna, Austria. Member.

Gessmann, Mrs. Johanna, Lerchenfelderstrasse No. 31, Vienna, Austria. Associate Member.

Gethofer, Louis H., Marine National Bank, Buffalo, New York. Member.

Gibbons, Mrs. Bertha H., Nurse, T. B. Division, Health Department, 179 Garner Avenue, Buffalo, New York. Member. In attendance.

Gibbons, Reverend Edmund F., Attica, New York. Member.

Gibbons, Mary E., 448 Eagle Street, Buffalo, New York. Associate Member.

Gibson, C. E., Advertising Manager, American Seating Company, 218 South Wabash Avenue, Chicago, Illinois. Delegate-Member. In attendance. From Mechanics' Institute, Rochester, New York.

Gies, Harriett A., School Principal, 617 Breckenridge Street, Buffalo, New York. Member. In attendance.

Giffen, Dr. William A., 501 Washington Arcade, Detroit, Michigan. Member.

Gilpin, Francis H., Illuminating Engineer, 3101 Passyunk Avenue, Philadelphia, Pennsylvania. Delegate. In attendance. From Electric Illuminating Engineering Society.

Giltner, Ward, Bacteriologist Michigan Agricultural College, East Lansing, Michigan. Member. In attendance.

Ginsburg, S., Niagara and Forest Avenue, Buffalo, New York. Member.

Ginther, George C., Washington, corner Virginia Street, Buffalo, New York. Member.

Gleb, Elsie E., 579 North Division Street, Buffalo, New York. Associate Member.

Glenn, John M., 136 East 19th Street, New York City. Member.

Glenn, Mrs. Thomas K., 301 Myrtle Street, Atlanta, Georgia. Member.

Glenny, Mrs. Bryant B., 253 Main Street, Buffalo, New York. Member.

Glines, Walter A., Box 251, San Juan, Porto Rico. Member.

Glosser, H. H., M.D., 448 Franklin Street, Buffalo, New York. Member. In attendance.

Glucksman, Dr. Louis, Visiting Oral Surgeon, Peoples Hospital, Examining Dental Surgeon Public Schools, New York City, Consulting Surgeon (Dental) Compulsory Educational League, 89 Avenue B, New York City. Delegate. In attendance. From New York City.

Goddard, Henry H., Vineland, New Jersey. Member.

Goehle, Alfred M., School Principal, 20 Pascal Street, Buffalo, New York. Member. In attendance.

Goetz, Philip Becker, Teacher of English, Nichols School, North Evans, New York. Member. In attendance.

Goldberg, Jacob, M.D., Chairman Board of School Examiners, 486 Elmwood Avenue, Buffalo, New York. Delegate. In attendance. From the City of Buffalo.

Goldsmith, Evelyn M., A.M., Teacher of Crippled Children, 1230 Amsterdam Avenue, Whittier Hall, New York City. Delegate-Member. In attendance. From State of New York.

Goldwasser, I. Edwin, School Principal, 141 West 111th Street, New York City. Member. In attendance.

Goler, G. W., Health Officer, Rochester, New York. Delegate-Member. In attendance. From Board of Health, Rochester, New York.

Gonzalez, Dr. José de J., School Physician in Leon, Gto., Mexico City, Mexico. Member.

Goodenough, Edith D., Teacher of Physical Training, Rochester, Massachusetts. Associate Member. In attendance.

Goodenough, Edward W., M.D., Chairman Department of Education, No. 44 Leavenworth Street, Waterbury, Connecticut. Member.

Goodwin, Mrs. Etta R., Representing Children's Bureau, Department of Labor, Washington, D. C. Delegate. In attendance. From Children's Bureau, Department of Labor, Washington, D. C.

Goodwyn, Amy G., Health Department, Buffalo, New York. Member.  
In attendance.

Goodyear, A. C., Ellicott Square, Buffalo, New York. Member.

Gordon, Edwin S., Architect, 300 Sibley Block, Rochester, New York.  
Member.

Gorham, L. Whittington, Assistant in Pathology, Boston City Hospital,  
214 State Street, Albany, New York. Associate Member. In attendance.

Gorter, Dr. Nathan R., Commissioner of Health, Baltimore, Maryland.  
Member. In attendance.

Gorton, Geraldine, Hamburg, New York. Associate Member.

Goshleski, John D., Inspector Health Department, 626 Fillmore Avenue,  
Buffalo, New York. Member. In attendance.

Gosman, George H., Department of Health, Buffalo, New York. Member.  
In attendance.

Gottfried, Miss Lillian, 2571 East 40th Street, Cleveland, Ohio. Dele-  
gate. In attendance. From National Mouth Hygiene Association.

Gould, Anna, 105 Eagle Street, Buffalo, New York. Associate Member.

Gould, B. M., Superintendent of Schools, Oneida, New York. Asso-  
ciate Member. In attendance.

Gove, Anna M., M.D., Resident Physician, State Normal College,  
Greensboro, North Carolina. Delegate-Member. In attendance.

Gowans, J. W., Board of Education, Winfield, Kansas. Member.

Graff, E. U., Superintendent of Schools, 508 City Hall, Omaha, Nebraska.  
Delegate. In attendance.

Graeff, Virginia E., Teacher School of Art, 11500 Mayfield Road, Cleve-  
land, Ohio. Delegate. In attendance. From International Kin-  
dergarten Union.

Graham, W. C., D.D.S., Professor of Oral Prophylaxis, Ohio State Uni-  
versity, Lancaster, Ohio. Member. In attendance.

Gram, Franklin C., M.D., Chief of Bureau of Vital Statistics, Buffalo  
Department of Health, Buffalo, New York. Delegate-Member.  
In attendance. From American Public Health Association, Buffalo,  
New York.

Gram, Naomi R., 849 Humboldt Parkway, Buffalo, New York. Mem-  
ber. In attendance.

Graña, Dr. Francisco, Professor of Hygiene, University of Lima, Lima,  
Peru. Member. In attendance.

Grand Rapids Anti-Tuberculosis Society, Grand Rapids, Michigan.  
Miss Ethel M. McCormack, Secretary, Representative. Member.  
In attendance.

Grant, Sir James, M.D., Ottawa City, Ontario, Canada. Member. In  
attendance.

Graves, Idella E., D.D.S., Assistant Secretary-Treasurer, Cleveland Mouth Hygiene Association, 800 Schofield Building, Cleveland, Ohio. Delegate. In attendance. From National Mouth Hygiene Association.

Graves, Dr. Millie Estelle, Professor Chicago College of Osteopathy, 1420 W. Monroe Street, Chicago, Illinois. Associate Member. In attendance.

Gray, Franklin J., Physical Director, 149 Wellington Avenue, Rochester, New York. Member. In attendance.

Gray, R. S., Chairman Library Committee, Commonwealth Club of California, 153 Kearny Street, San Francisco, California. Member.

Greathouse, Charles A., State Superintendent Public Instruction, Room 27 State House, Indianapolis, Indiana. Member. In attendance.

Greeley, Jane Lincoln, M.D., 111 East 5th Street, Jamestown, New York. Member.

Green, Dr. Edgar M., 222 Spring Garden Street, Easton, Pennsylvania. Member.

Green, Edward B., 110 Franklin Street, Buffalo, New York. Member.

Greene, Dr. Christiana M., 4 Oxford Place, Buffalo, New York. Member. In attendance.

Greene, Jerome D., Member General Education Board, 26 Broadway, New York City. Member. In attendance.

Greene, Dr. Walter D., 210 D. S. Morgan Building, Buffalo, New York. Member.

Greenway, Dr. James C., Greenwich, Connecticut. Member.

Greeson, W. A., Superintendent of Schools, Grand Rapids, Michigan. Member. In attendance.

Gregg, Professor Fred. Marion, State Normal School, Peru, Nebraska, U. S. A. Member.

Gregory, Helen E., Member Board of Education, 105 Plymouth Avenue, Rochester, New York. Delegate. In attendance. From Board of Education, Rochester, New York.

Gregory, Joseph A., M.D., 149 Riley Street, Buffalo, New York. Member. In attendance.

Greig, Anna M., Teacher, 402 Jersey Street, Buffalo, New York. Delegate-Associate Member. In attendance. From City of Buffalo.

Greil, Dr. Gaston J., 303 S. Lawrence Street, Montgomery, Alabama. Member.

Greiner, Fred, 338 Brisbane Building, Buffalo, New York. Member.

Grennes, Dr. Ø., care of Akersbakken 33 B., Christiania, Norway. Member.

Grey, Bertha S., 417 Glenwood Avenue, Buffalo, New York. Associate Member.

Griffin, John D., 55 Rodney Street, Buffalo, New York. Member. In attendance.

Griffin, Mrs. Mary E., Principal Lowell School, 3119 Park Avenue, Kansas City, Missouri. Delegate-Member. In attendance. From Kansas City, Missouri.

Griffith, Miss Alice L., 2420 Pacific Avenue, San Francisco, California. Member.

Griffith, Mary E., Principal Daneel School, 1036 Audubon Street, New Orleans, Louisiana. Member.

Gross, Hofrat Professor Dr. Emil von, Budapest, Hungary, VIII Mana Utora 3g. Member.

Grosvenor, Miss Edith L., Teacher of Physical Training, 1323 13th Street, N. W., Washington, D. C. Member.

Gstettner, Dr. Mathilde, Assistant Vienna Polyclinic, Wien, Austria. Delegate-Member. In attendance. From Austrian School Hygiene Association.

Guerra, M. Teresa F. de, Sub-Director Escuela Normal Number 2, Santiago de Chile, Correo Central. Delegate-Member. In attendance. From Chile.

Guest, Mrs. E. J., High School Teacher, Belleville, Ontario. Delegate. In attendance. From Institute Branch, Department of Agriculture, Ontario, Canada.

Guilbert, E. F., Architect Board of Education, Newark, New Jersey. Delegate-Member. In attendance. From State of New Jersey.

Guild, W. A., M.S., M.D., Secretary American Cancer Research Society; Secretary-Treasurer American Association of Official Surgeons, Des Moines, Iowa. Delegate-Member. In attendance. From City of Des Moines and State of Iowa.

Guion, Edward, M.D., Health Officer and Superintendent Municipal Hospital, Atlantic City, New Jersey. Delegate-Member. In attendance. From State of New Jersey.

Gulick, Luther H., M.D., President Camp Fire Girls, 118 East 28th Street, New York City. Delegate-Member. In attendance. From New York City, American Public Health Association and Boy Scouts of America.

Gulley, Anne, R.N., Nurses' Settlement, 223 South Cherry Street, Richmond, Virginia. Member.

Gunn, Professor Selskar M., Massachusetts Institute of Technology, Boston, Massachusetts. Member.

Gunning, Dr. J. N., Inspector of Schools and Professor of Pedagogics, Amsterdam, Holland, Keizersgrant 580. Member.

Gunsberg, Mrs. D., Entertainment Committee, 152 Lincoln Parkway, Buffalo, New York. Member. In attendance.

Gunther, A. E., Professor of Physiology University of Nebraska, College of Medicine, University of Nebraska, Omaha. Delegate-Member. In attendance. From Nebraska.

Gurnett, Mrs. L. A., 107 Robert Street, Toronto, Canada. Delegate-Member. In attendance. From Local Council of Women.

Guthrie, Dr. George W., 109 South Franklin Street, Wilkes-Barre, Pennsylvania. Member.

Gwinn, Joseph M., Superintendent Public Health, New Orleans, Louisiana. Member.

Haberlack, Alice F., School Teacher, 122 Sage Avenue, Buffalo, New York. Delegate. In attendance. From the State of New York.

Haberler, Dr. Franz Ritter von, k. k. Ministerialrat and Referent für Sanitätsangelegenheiten im Ministerium des Innern, XIX Döblinger Hauptstrasse 54, Vienna, Austria. Member.

Hackett, A. R., M.D., Physical Director, Iowa State College, Station A, Ames, Iowa. Delegate-Member. In attendance. From Iowa State College.

Hackett, Etta M. H., Instructor of Domestic Science, 125 Adam Street, Tonawanda, New York. Associate Member. In attendance.

Hackett, L. W., Medical School, Harvard University, Boston, Massachusetts. Member.

Hackett, Mrs. M. B., School Principal, 125 Adam Street, Tonawanda, New York. Delegate. In attendance. From City of Tonawanda, New York.

Haden, Mrs. Florence P., Cocoanut Grove, Florida. Delegate-Member. In attendance. From Housekeepers' Club, Florida.

Hadida, Sophie C., Supervisor of Music, Buffalo Public Schools, Buffalo, New York. Associate Member. In attendance.

Haffa, Colonel George J., 158 Pearl Street, Buffalo, New York. Member.

Hagarty, Miss Laura Dunbar, Teacher of English, Teachers' Training School, 555 Walden Avenue, Buffalo, New York. Associate Member. In attendance.

Hage, J. W. B., Zander-Institut, Nijmegen, Holland. Member.

Haggerty, E. Alice, School Principal, Bradford, Pennsylvania. Associate Member. In attendance.

Haining, W. C., Member Board of Health, 143 West 4th Street, Dayton, Ohio. Member. In attendance.

Haley, Dr. J. C., 279 Elk Street, Buffalo, New York. Member.

Hall, Edward M., D.D.S., 611 Sharp Building, Kansas City, Missouri. Delegate-Member. In attendance. From National Mouth Hygiene Association, Kansas City Dental Society, and Kansas City.

Hall, George A., Secretary New York Child Labor Committee, 106 East 19th Street, New York City. Member. In attendance.

G. Stanley Hall, Ph.D., LL.D., President Clark University, Worcester, Mass. Member. In attendance.

Hall, Dr. Winfield Scott, Professor Physiology, Northwestern University Medical School, 2431 Dearborn Street, Chicago, Illinois. Member.

Hallam, W. W., Member Executive Committee, 19 South Lasalle Street, Chicago, Illinois. Delegate-Member. In attendance. From American Federation for Sex Hygiene, Chicago Society of Social Hygiene, and Illinois Vigilance Association.

Halpenny, Dr. Jasper, 702 Sterling Bank Building, Winnipeg, Canada. Member.

Hamerschlak, Gussie, 6014 Quincy Avenue, Cleveland, Ohio. Delegate. In attendance. From National Mouth Hygiene Association.

Hamilton, Helen M., Supervisor of Special Classes, 174 Grand Street, Jersey City, New Jersey. Member. In attendance.

Hamilton, Dr. T. G., 185 Kelvin Street, Winnipeg, Canada. Member.

Hamilton, William, Ph.D., Acting Chief, Alaskan Divison, Bureau of Education, Washington, D. C. Delegate. In attendance. From Bureau of Education.

Hamlin, Chauncey J., Iroquois Building, Buffalo, New York. Member.

Hammelbaugh, D. D., Secretary School Board, 121 Chestnut Street, Harrisburg, Pennsylvania. Delegate. In attendance. From Board of School Directors.

Hamon, Mrs. Jake L., Fifth District Oklahoma State Federation of Women's Clubs, Lawton, Oklahoma. Delegate. In attendance. From State of Oklahoma.

Hanley, Alice L., 151 Fulton Street, Buffalo, New York. Associate Member.

Hanley, Dr. Lawrence G., Surgeon, Buffalo Hospital, Sisters of Charity, 428 Porter Avenue, Buffalo, New York. Delegate. In attendance. From Buffalo Hospital, Sisters of Charity.

Hanley, W. J., Tenement House Inspector, 86 O'Connell Avenue, Buffalo, New York. Member. In attendance.

Hansen, Canute, 124 Convent Avenue, New York City. Member. In attendance.

Hanson, William Clinton, M.D., Assistant Secretary of the Massachusetts State Board of Health, Cambridge, Massachusetts. Delegate-Member. In attendance. From the State of Massachusetts.

Harcourt, Elizabeth, School Nurse and Health Supervisor, 224 Idaho Building, Boise, Idaho. Delegate-Member. In attendance. From the State of Idaho.

Hardesty, Carrie L., 1729 Amherst Street, Buffalo, New York. Associate Member.

Hardy, Joseph J., Poteau, Oklahoma. Associate Member.

Hargitt, Charles W., Professor of Zoology, Syracuse University, Syracuse, New York. Delegate. In attendance. From Syracuse University.

Harney, Margaret A., School Principal, 339 East 22d Street, Baltimore, Maryland. Member. In attendance.

Harper, C. A., M.D., State Health Officer, Madison, Wisconsin. Delegate-Member. In attendance.

Harrington, Dr. Thomas F., 310 Commonwealth Avenue, Boston, Massachusetts. Member.

Harris, Ada Van Stone, Director of Elementary Practice, Pittsburgh Public Schools, 6216 Howe Street, E. E., Pittsburgh, Pennsylvania. Member. In attendance.

Harris, Alice Louise, Assistant Superintendent Public Schools, Room 14, City Hall, Worcester, Massachusetts. Member. In attendance.

Harris, Leah, Public School Teacher, 297 Fargo Avenue, Buffalo, New York. Associate Member. In attendance.

Hart, Dr. Charles E., 391 Sutter Street, San Francisco, California. Member.

Hart, Dr. Hastings H., 105 East 22d Street, New York City. Delegate-Member. In attendance. From Russell Sage Foundation.

Hart, W. O., Vice-President Presbyterian Hospital, New Orleans, Louisiana. Member. In attendance.

Harter, George A., President Delaware College, Newark, Delaware. Delegate-Member. In attendance. From State of Delaware.

Hartman, G. E., Randolph, Nebraska. Delegate-Member. In attendance. From Nebraska.

Hartman, Alice S., Kindergartner, 574 Bird Avenue, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Hartmayer, Frederick L., 77 East Tupper Street, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Hartwell, S. O., Superintendent of Public Schools, Kalamazoo, Michigan. Member. In attendance.

Hartzell, Dr. Solomon M., Dollar Bank Building, Youngstown, Ohio. Member.

Harvey, Ella A., Assistant Principal School 31, 156 Mariner Street, Buffalo, New York. Member. In attendance.

Hasbrouck, Dr. DeLamater, Assistant Health Commissioner, Kansas City, Missouri. Member.

Hasencamp, Dr. Oscar, President Ohio State Board of Health, 21 The Schmidt, Toledo, Ohio. Delegate-Member. In attendance. From Ohio State Board of Health.

Hastings, William W., care of Normal School of Physical Education, Battle Creek, Michigan. Member.

Hatch, E. G., Life Insurance, 51 Windsor Avenue, Buffalo, New York. Member. In attendance.

Hatch, Wallace, Secretary Rhode Island Anti-Tuberculosis Association, 177 Columbia Avenue, Edgewood, Rhode Island. Delegate-Member. In attendance. From State of Rhode Island.

Haven, Elizabeth, 413 Vermont Street, Buffalo, New York. Associate Member. In attendance.

Havin, P. A., Fireman at Bath House No. 2, 19 Zelmer Street, Buffalo, New York. Member. In attendance.

Hawkins, A. C., 9 Chautauqua Place, Bradford, Pennsylvania. Delegate-Member. In attendance. From School Board.

Hayden, Evelyn F., Teacher, 269 Whitney Place, Buffalo, New York. Associate Member. In attendance.

Hayden, Gillette, 904 New First National Bank Building, Columbus, Ohio. Member.

Hayes, D. W., President of Peru State Normal School, Peru, Nebraska. Member.

Hayes, Samuel P., Professor of Psychology, Mt. Holyoke College, South Hadley, Massachusetts. Delegate. In attendance. From Mt. Holyoke College.

Haywood, G. Leon, D.D.S., Detroit, Michigan. Delegate-Member. In attendance. From City of Detroit and National Mouth Hygiene Association.

Headley, Edia A., County Superintendent of Schools, Luverne, Minnesota. Member.

Heald, Charles M., 1300 Chamber of Commerce Building, Buffalo, New York. Member.

Heald, G. H., M.D., Editor of "Life and Health," Takoma Park, Washington, D. C. Member. In attendance.

Health Officer, Department of Public Health, 1085 Mission Street, San Francisco, California. Member.

Healy, Mrs. M. J., 215 Bird Avenue, Buffalo, New York. Associate Member. In attendance.

Heard, Mary K., M.D., Assistant Professor Ophthalmology, State University, Johnson Company Bank Building, Iowa City, Iowa. Member. In attendance.

Heath, Byron H., Principal Teachers' Training School, Hamburg, New York. Member. In attendance.

Heath, W. H., M.D., Chief, Bureau Food and Drug Department of Health, Buffalo, New York. Member. In attendance.

Heck, W. H., Professor of Education, University of Virginia, University, Virginia. Delegate-Member. In attendance. From State of Virginia.

Heckard, Dr. M. O., Department of Health, Chicago, Illinois. Member.

Hector, Thomas, Clerk to the School Board, 22 Union Terrace, Aberdeen, Scotland. Member.

Hedges, Dr. B. Van D., Plainfield, New Jersey. Member.

Hehr, Winifred, 74 Carlton Building, Buffalo, New York. Member.

Heiman, Dr. Henry, 30 West 88th Street, New York City. Member.

Heinike, John, Instructor Public Schools, 9 Kane Street, Buffalo, New York. Member. In attendance.

Heist, Dr. Albert D., Geneva Chamber of Commerce, Geneva, New York. Associate Member. In attendance.

Held, Frank C. B., 254 Main Street, Buffalo, New York. Associate Member.

Held, George, 145 Franklin Street, Buffalo, New York. Associate Member.

Henck, John B., 1505 Santa Barbara Street, Santa Barbara, California. Member.

Hengerer, A. W., M.D., 441 Pratt Street, Buffalo, New York. Member. In attendance.

Hengerer, Edward L., 457 Main Street, Buffalo, New York. Member.

Hennighausen, Miss Laura A., School Nurse, Richmond, Virginia. Delegate-Associate Member. In attendance. From Richmond Public Schools, Richmond, Virginia.

Henry, Alice, Editor "Life and Labor," 127 North Dearborn Street, Chicago, Illinois. Delegate-Member. In attendance. From National Women's Trade Union League of America.

Henry, Lou E., 258 South Division Street, Buffalo, New York. Associate Member. In attendance.

Hepburn, Thomas N., M.D., Secretary Connecticut Society Social Hygiene, Hartford, Connecticut. Delegate. In attendance. From The Society of Social Hygiene.

Herbst, Katherine S., Teacher, 568 Genesee Street, Buffalo, New York. Member. In attendance.

Herdiman, Dr. Elliott Kent, Chief Medical Inspector of Schools, Ann Arbor, Michigan. Member.

Hergert, Dr. F. W., 715 Cobb Building, Seattle, Washington. Member. In attendance.

Herlihy, N. G., 145 Franklin Street, Buffalo, New York. Associate Member.

Hermann, Ernest, Superintendent of Playgrounds and Director of Physical Education, 9 Humboldt Street, Cambridge, Massachusetts. Delegate-Member. In attendance. From Newton, Massachusetts.

Hermann, Henry A., M.D., Sandersville, Georgia. Associate Member. In attendance.

Herr, E. G., President Board of Education, Dayton, Ohio. Member.  
In attendance.

Herrick, Lucy E., Teacher, 19 Celtic Place, Buffalo, New York. Member. In attendance.

Herron, Schuyler F., Superintendent of Schools, Winchester, Massachusetts. Delegate-Member. In attendance. From State of Massachusetts.

Hersey, C. Brooks, Instructor in Physics, Masten Park High School, 456 Potomac Avenue, Buffalo, New York. Associate Member.  
In attendance.

Hersler, Robert, M.D., Logansport, Indiana. Member. In attendance.

Herzberg, Dr. Mortimer, Bacteriologist, University of South Dakota. Vermillion, South Dakota. Member.

Heussler, R. H., 90-100 Lakeview Avenue, Buffalo, New York. Member.

Hibbard, William G., Hibbard, Spencer, Bartlett & Company, Chicago, Illinois. Member.

Hickey, Mrs. Edith M., Rural School Nurse, 510 Cobb Building, Seattle, Washington. Delegate. In attendance. From State Federation of Women's Clubs, City Federation of Women's Clubs, State of Washington.

Hickman, Emily, Ph.D., Professor of History, Wells College, 1268 Main Street, Buffalo, New York. Associate Member. In attendance.

Hicks, Curry S., Professor of Physical Education and Hygiene, Amherst, Massachusetts. Delegate-Member. In attendance. From Massachusetts Agricultural College.

Higgins, Ethel, 16 Lakewood Avenue, Buffalo, New York. Associate Member.

High Commissioner of New Zealand, London, England. Member.

Hildebrand, J. G., D.D.S., Waterloo, Iowa. Delegate-Member. In attendance. From Iowa State Dental Society.

Hill, David Spence, Director Department Educational Research, 1219 Pine Street, New Orleans, Louisiana. Delegate-Member. In attendance. From State of Louisiana.

Hill, Herbert M., Ph.D., City Chemist, 20 West Eagle Street, Buffalo, New York. Member. In attendance.

Hill, James Sutcliffe, M.D., Health Officer, Bellows Falls, Vermont. Delegate. In attendance. From State of Vermont.

Hill, William H., 100 Windsor Avenue, Buffalo, New York. Member.

Hilliard, Mary R., Westover School, Middlebury, Connecticut. Associate Member.

Hillary, Miss Mary, Sub Normal Teacher, The LaSalle, Buffalo, New York. Member. In attendance.

Hillery, Miss May, Public School No. 41, Buffalo, New York. Member.

Hills, G. H. H., Court and Wilkeson Street, Buffalo, New York. Member.

Hillyer, Mrs. A. R., 91 Elm Street, Hartford, Connecticut. Member.

Hiltz, William W., Chairman of Board of Education, 682 Broadview Avenue, Toronto, Canada. Member. In attendance.

Himebaugh, Lester C., Bacteriologist, 39 West 38th Street, New York City. Member. In attendance.

Hincks, Clarence M., Medical School Inspector, 735 Bloor Street, Toronto, Canada. Member. In attendance.

Hine, Charles D., Secretary, Connecticut State Board of Health, Hartford, Connecticut. Member.

Hines, Edgar A., M.D., Member State Board of Health, Seneca, South Carolina. Delegate-Member. In attendance. From State of South Carolina and State Board of Health.

Hines, Linnaeus Neal, Superintendent of Schools, Crawfordsville, Indiana. Member. In attendance.

Hinkley, Mary, President Board of Managers, New York State Training School for Girls, Eden Hills, Poughkeepsie, New York. Delegate-Member. In attendance. From New York Training School for Girls at Hudson, New York.

Hinson, Sara M., Board of School Examiners, 172 Eagle Street, Buffalo, New York. Delegate-Member. In attendance. From City of Buffalo.

Hislop, John A., 765 West Avenue, Buffalo, New York. Member.

Hitzel, Dr. G. A., 49 East Parade Avenue, Buffalo, New York. Member.

Hodge, C. F., Professor of Biology, Clark University and Extension Department, Oregon University, Worcester, Massachusetts. Delegate-Member. In attendance. From Clark University, Worcester, Massachusetts, and Oregon University, Eugene, Oregon.

Hodge, William H., M.D., 324 Buffalo Avenue, Niagara Falls, New York. Delegate-Member. In attendance. From City of Niagara Falls.

Hodgeson, Casper W., Education Publisher (World Book Company), Yonkers-on-Hudson, New York. Member. In attendance.

Hodgetts, Charles A., Medical Adviser, Commission of Conservation, Ottawa, Ontario, Canada. Member.

Hodgkins, Mary E., 148 Bird Avenue, Buffalo, New York. Associate Member.

Hoegal, Alexander, Manager for the Fleischmann Company, 262 Oak Street, Buffalo, New York. Member. In attendance.

Hofer, Professor Joseph, Tucumcari, New Mexico. Member.

Hoffman, Abram, D.D.S., Professor Prosthetic Dentistry and Orthodontia, University of Buffalo, New York. Delegate. In attendance. From Institute of Dental Pedagogics, Buffalo, New York.

Hoffman, F. L., 761 Broad Street, Newark, New Jersey. Member.

Hogan, C. H., 268 Lexington Avenue, Buffalo, New York. Member.

Hogan, Dr. Edward L., Stanwood, Washington. Member.

Holland, Mrs. Henry Osgood, 116 Hodge Avenue, Buffalo, New York. Delegate-Member. In attendance. From National Congress of Mothers' and Parent Teacher Association, and Department of School Patrons of the National Educational Association.

Hollister, Helen, Superintendent Household Arts and Sciences, Mechanics Institute, Rochester, New York. Delegate. In attendance. From American Home Economics Association.

Holloran, Anna E., 1089 Elmwood Avenue, Buffalo, New York. Associate Member. In attendance.

Holloway, Olivett, 211 Riley Street, Buffalo, New York. Associate Member.

Holmes, Miss Emily S., Head Worker, Social Settlement, Westminster House, 424 Adams Street, Buffalo, New York. Member. In attendance.

Holmes, George Jenkinson, Supervisor of Medical Inspection, Newark, New Jersey. Delegate-Member. In attendance. From State of New Jersey.

Holmes, Mary S., Head Teacher Germantown High School for Girls, 147 Manheim Street, Philadelphia, Pennsylvania. Associate Member. In attendance.

Holovtchiner, Dr. E., President Board of Education, Omaha, Nebraska. Delegate. In attendance. From Omaha, Nebraska.

Holsapple, I. M., Janesville, Wisconsin. Member. In attendance.

Holt, Dr. L. Emmett, 14 West 56th Street, New York City. Member.

Holton, Henry D., A.M., M.D., President Austin School for Deaf and Blind; Member State Board of Health, Brattleboro, Vermont. Delegate-Member. In attendance. From Board of Health of Vermont.

Holzwarth, Harriet A., Assistant Teacher, 157 Walnut Street, Buffalo, New York. Member. In attendance.

Homans, Amy Morris, M.A., Director, Department of Hygiene and Physical Education, Wellesley College, Wellesley, Massachusetts. Delegate-Member. In attendance. From Wellesley College.

Homeopathic Hospital, Mrs. Albert B. Neill, Representative, 83 Hodge Avenue, Buffalo, New York. Member. In attendance.

Honey, Edgar A., Member State Dental Board, Kalamazoo, Michigan. Delegate-Member. In attendance. From City of Kalamazoo.

Hooker, Donald R., M. D., Baltimore, Maryland. Delegate-Member. In attendance. From City of Baltimore, State of Maryland, American Federation for Sex Hygiene and Maryland Society of Social Hygiene.

Hoopes, L. L., Physical Director Westport High School, 4139 Charlotte Street, Kansas City, Missouri. Delegate-Member. In attendance. From Kansas City.

Hoover, Dr. Clare F., Saffordville, Kansas. Member.

Hopkins, Henry R., Honorary Vice-President, Professor Emeritus of Hygiene, University of Buffalo, 433 Franklin Street, Buffalo, New York. Delegate-Member. In attendance. From Buffalo Academy of Medicine.

Hopkins, Dr. Richard R., Member Board of Education, 172 Annette Street, Toronto, Canada. Delegate-Member. In attendance. From Board of Education of Toronto, Canada.

Hosley, Dr. Henry Everton, 307 Main Street, Springfield, Massachusetts. Member.

Hosmer, Mrs. Eli T., 84 Ashland Avenue, Buffalo, New York. Delegate-Member. In attendance. From Mothers' Assembly of the State of New York.

Hough, Professor Theodore, University of Virginia, University, Virginia. Member.

Houghton, Frederick, School Principal, 1910 Abbott Road, Buffalo, New York. Member. In attendance.

Housekeepers' Club, Mrs. John Gifford, Cocoanut Grove, Florida. Member.

Howard, John R., Jr., General Secretary Thomas Thompson Trust, East Northfield, Massachusetts. Member. In attendance.

Howe, Alfred H., 575 Trinity Avenue, New York City. Associate Member.

Howe, Edwin J., School Principal, 58 Claremont Avenue, Buffalo, New York. Member. In attendance.

Howe, Lucien, M.D., Sc.D., Professor Emeritus of Ophthalmology, University of Buffalo, 522 Delaware Avenue, Buffalo, New York. Delegate-Member. In attendance. From The American Ophthalmological Society.

Howe, Peryl S., 65 Danforth Street, Buffalo, New York. Associate Member.

Howe, William A., M.D., Deputy State Commissioner of Health, Albany, New York. Delegate-Member. In attendance. From State of New York and the New York State Department of Health.

Howell, Ruth C., School Teacher, 22 West Ross Street, Wilkes-Barre, Pennsylvania. Member. In attendance.

Howell, W. E., Editor "Christian Education," Takoma Park, Washington, D. C. Member. In attendance.

Howley, Mary B., School Teacher, 188 Abbott Road, Buffalo, New York. Associate Member. In attendance.

Hoyt, Frances M., School Teacher, 1026 South Burlington Avenue, Los Angeles, California. Member. In attendance.

Hubbard, Thomas H., 16 West 58th Street, New York City. Member.

Hubbell, Clifford, Marine National Bank, Buffalo, New York. Member.

Hubbers, Mrs. E., 1015 Home Street, New York City. Associate Member. In attendance.

Huckaby, G. C., High School, Shreveport, Louisiana. Delegate-Member. In attendance. From State of Louisiana.

Hughes, A. B., President Board of Education, Keokuk, Iowa. Delegate-Member. In attendance. From Board of Education, Keokuk, Iowa.

Hughes, Elizabeth E., Assistant School Principal, 152 West Avenue, Buffalo, New York. Delegate-Member. In attendance. From City of Buffalo.

Hughes, John, 4 Live Stock Exchange, Buffalo, New York. Member.

Hughes, P. M., Superintendent of Schools, Syracuse, New York. Delegate-Member. In attendance. From Board of Education, Syracuse, New York.

Hull, Mrs. Anna W., School Teacher, 154 Harvard Place, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Hume, Jessie M. C., School Nurse, Cambridge, Massachusetts. Member. In attendance.

Hume, Reverend Willis P., 177 East Felton Street, North Tonawanda, New York. Delegate. In attendance. From City of North Tonawanda.

Humphrey, W. R., Secretary Lake Michigan Sanitary Association, 10 South La Salle Street, Chicago, Illinois. Delegate-Member. In attendance. From Lake Michigan Sanitary Association.

Hunner, Dr. Guy L., Trustee Park School and Girls' Latin School, 2305 St. Paul Street, Baltimore, Maryland. Delegate-Member. In attendance. From State of Maryland and City of Baltimore.

Hunt, Arthur E., Head of Department Biology, Manual Training High School, Brooklyn, New York. Member. In attendance.

Hunt, Dr. A. Clark, State Board of Health, Trenton, New Jersey. Member.

Hunt, Caroline L., Expert in Nutrition, Office of Experiment Stations, United States Department of Agriculture, Washington, D. C. Delegate. In attendance. From American Home Economics Association.

Hunt, Dr. George E., Indianapolis, Indiana. Member.

Hunter, William M., Vice-President Board of Education, Dayton, Ohio. Member. In attendance.

Hurd, Arthur W., M.D., State Hospital, Buffalo, New York. Associate Member.

Hurrell, A. S., High School Principal, 215 Baynes Street, Buffalo, New York. Member. In attendance.

Hurt, Dr. Huber W., President Lombard College, Galesburg, Illinois. Delegate-Member. In attendance. From Lombard College.

Hurty, J. N., Indiana Health Commissioner, Indianapolis, Indiana. Delegate-Member. In attendance. From American Public Health Association.

Husband, R. W., Professor of Classical Philology, Dartmouth College. Hanover, New Hampshire. Delegate-Member. In attendance. From Dartmouth College.

Hutchins, Charles P., M.D., Professor of Physical Training, Indiana University, Bloomington, Indiana. Delegate-Member. In attendance. From Indiana University.

Hyams, Isabel F., Trustee, Boston Consumption Hospital, 26 Wales Street, Dorchester, Massachusetts. Delegate-Member. In attendance. From Boston Association for the Relief and Control of Tuberculosis.

Hyatt, Thaddeus P., D.D.S., Department of Health, 17 East 38th Street, New York City. Delegate-Member. In attendance. From the First District Dental Society of the State of New York.

Hyde, Elizabeth, School Principal, Hampton, Virginia. Delegate-Member. In attendance. From Hampton Normal and Agricultural Institute, Hampton, Virginia.

Hynes, John J., School Examiner, 528 Brisbane Building, Buffalo, New York. Member. In attendance.

Ihde, Lydia H., 95 Walnut Street, Buffalo, New York. Associate Member. In attendance.

Illman, Paul E., Secretary Syracuse Associated Charities, Syracuse, New York. Delegate. In attendance. From Syracuse Associated Charities.

Indiana State Library, Indianapolis, Indiana, care of D. C. Brown, Librarian. Member.

Ingram, Beatrice, School Teacher, 23 West Avenue, Buffalo, New York. Associate Member. In attendance.

Ingram, Isabelle R., Teacher Theory and Method, Teachers' Training School, 142 Delaware Avenue, Buffalo, New York. Associate Member. In attendance.

Iowa State College, Raymond A. Pearson, President, Ames, Iowa. Delegate-Member. In attendance.

Iowa State Teachers' College, President Homer H. Seerly, Cedar Falls, Iowa. Member.

Irwin, Alphonso, D.D.S., Secretary-Treasurer New Jersey State Board of Examination and Registration in Dentistry, Camden, New Jersey. Delegate. In attendance. From Sociedad Propagandista de Higiene Dental de Bogata, Republic of Colombia.

Ittner, William B., Architect, Board of Education, 408 Board of Education Building, St. Louis, Missouri. Member. In attendance.

Ives, C. A., State Institute Conductor, Baton Rouge, Louisiana. Delegate-Associate Member. In attendance. From State of Louisiana.

Ives, Herbert E., Physicist, United Gas Improvement Company, 3101 Passyunk Avenue, Philadelphia, Pennsylvania. Delegate. In attendance. From Electric Illuminating Engineering Society.

Jack, George N., M.D., 341 West Utica Street, Buffalo, New York. Member. In attendance.

Jackman, W. T., Cleveland, Ohio. Delegate. In attendance. From National Mouth Hygiene Association.

Jackson, Sophie B., M.D., B.S., D.P.H., School Doctor, Education Office, Calverley Street, Leeds, England. Member. In attendance.

Jacobi, Dr. A., College of Physicians and Surgeons, 19 East 47th Street, New York City. Delegate-Member. In attendance. From State of New York.

Jacobs, Dr. Henry Barton, 11 Mt. Vernon Place, Baltimore, Maryland. Member.

Jacobs, Philip P., Ph. D., 289 Fourth Avenue, New York City. Associate Member.

James, Alice M., 425 West Avenue, Buffalo, New York. Associate Member.

Jamieson, Miss Jessie M., School Teacher, 445 Ashland Avenue, Buffalo, New York. Associate Member. In attendance.

Janiszewski, Dr. Tomasz, Puuska 5, Krakow, Galicya, Poland, Austria. Member.

Jankowski, Mrs. Jadwiga, President of Singing Society Kalina, 595 Fillmore Avenue, Buffalo, New York. Delegate-Member. In attendance. From Kalina Singing Society.

Jardins des jeux à Varsovie. Delegates, Professor M. Biatowiejski et Dr. S. Rottermund, Varsovie, Pologne, me Hoza No. 53. Member.

Jarman, J. L., President State Normal School, Farmville, Virginia. Delegate-Member. In attendance. From State of Virginia.

Jaquith, Dr. Walter A., Medical Director, Prudential Life Insurance Company, Newark, New Jersey. Member.

Jehle, Leon J., 251 Strauss Street, Buffalo, New York. Member. In attendance.

Jenkins, Marjorie L., 152 Fargo Avenue, Buffalo, New York. Associate Member.

Jennings, George H., Jewett City, Connecticut. Member.

Jensen, Ellen M., School Teacher, 191 May Street, Buffalo, New York. Member. In attendance.

Jensen, Rev. Frank E., 606 Parkside Avenue, Buffalo, New York. Member. In attendance.

Jessen, Dr. D. E., Strassburg, Germany. Member.

Jewett, Carlton R., 1299 Main Street, Buffalo, New York Delegate. In attendance. From City of Buffalo.

Jewett, Edgar B., 148 Morris Avenue, Buffalo, New York. Member.

Jewett, Frances Gulick, Oberlin, Ohio. Associate Member. In attendance.

Jezewski, Peter C., Pharmacist and Chemist, 173 Stanislaus Street, Buffalo, New York, Member. In attendance.

Johnson, Albert Jerome, Laurel, Mississippi. Member.

Johnson, Alexander L., M.D., Health Officer, Gloversville, New York. Delegate-Member. In attendance. From Board of Health.

Johnson, Charles H., Superintendent Albany Orphan Asylum, Albany, New York. Delegate-Member. In attendance. From City of Albany.

Johnston, Coralie H., School Nurse, 405 East Grace Street, Richmond, Virginia. Member. In attendance.

Johnson, C. T., Clerk Bureau of Plumbing and Drainage, Department of Health, 280 Breckenridge Street, Buffalo, New York. Member. In attendance.

Johnson, Eleanor Hope, Chairman Local School Board 8; Secretary Committee on Hygiene of School Children, Public Education Association, 37 Madison Avenue, New York City. Delegate-Member. In attendance. From State of New York, City of New York and Public Education Association of New York City.

Johnson, Euphemia, Principal of Brownell Hall, President Omaha Board of Collegiate Alumnae, Brownell Hall, Omaha, Nebraska. Member. In attendance.

Johnson, G. E., Head Department Play and Recreation, New York School of Philanthropy, 105 East 22d Street, New York City. Member. In attendance.

Johnson, Helen Louise, Editor and Lecturer; Chairman Home Economics Department, General Federation Women's Clubs, 234 Paddock Street, Watertown, New York. Delegate-Member. In attendance. From Point Pleasant Day Club of Watertown.

Johnson, Mrs. Jennie B., School Principal, 6801 Euclid Avenue, Cleveland, Ohio. Delegate-Associate Member. In attendance. From City of Cleveland.

Johnston, Kathryn, School Principal, Helena, Montana. Delegate-Member. In attendance. From State of Montana.

Johnson, Ralph L., Psychologist, Girard College, Philadelphia, Pennsylvania. Delegate-Member. In attendance. From Girard College.

Johnson, T. B., M.D., Frederick County Branch of Henry Watson's Children's Aid Society of Baltimore, 73 Church Street, Frederick, Maryland. Member. In attendance.

Johnson, Mrs. W. H., State of Oklahoma Women's Federation of Clubs, 288 Elmwood Avenue, Bartlesville, Oklahoma. Delegate. In attendance. From Oklahoma State Federation of Women's Clubs.

Jones, C. Edward, Albany, New York. Delegate. In attendance. From City of Albany.

Jones, C. Sumner, M.D., 695 Delaware Avenue, Buffalo, New York. Member. In attendance.

Jones, Elmer Ellsworth, Professor of Education, Indiana University, Bloomington, Indiana. Member.

Jones, Dr. May Farinholt, Resident Physician State Normal College, Hattiesburg, Mississippi. Member. In attendance.

Jones, Mrs. William S., 1135 Clay Avenue, New Orleans, Louisiana. Delegate. In attendance. From Co-operative Presidents' Clubs of Public Schools.

Jones, William M., M.D., County Health Officer, Greensboro, North Carolina. Delegate-Member. In attendance. From State of North Carolina.

Jordan, David S., Stanford University, California. Associate Member.

Jordan, E. O., Professor, University of Chicago, Chicago, Illinois. Member.

Jordan, M. Evangeline, D.D.S., Teacher in Dental College, University Southern College, 712 Wright and Collender Building, Los Angeles, California. Delegate-Member. In attendance. From Southern California Dental Association.

Julg, Elizabeth S., Assistant School Principal, 140 Winslow Avenue, Buffalo, New York. Associate Member. In attendance.

Jung, Lena M., School Teacher, 150 Watson Street, Buffalo, New York. Associate Member. In attendance.

Justice, Mrs. William G., 72 Norwood Avenue, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Justice, William G., 72 Norwood Avenue, Buffalo, New York. Member.

Kaiser, Charles S., Architect, 57 Post Street, San Francisco, California. Member. In attendance.

Kampratt, William B., School Principal, 154 Winslow Avenue, Buffalo, New York. Member. In attendance.

Kansas City Public Library, Kansas City, Missouri. Miss Irene Gentry, Representative. Member.

Karnes, Matilda T., Head of the English Department, Central High School, Buffalo, New York. Delegate-Member. In attendance. From the Catholic Women's Saturday Afternoon Club.

Katzel, Samuel, 2528 Scoville Avenue, Cleveland, Ohio. Delegate. In attendance. From National Mouth Hygiene Association.

Kauffman, Dr. Lesser, Instructor in Neurology, University of Buffalo, Medical Department, 534 Elmwood Avenue, Buffalo, New York. Delegate-Member. In attendance. From State of New York.

Kavanagh, Susan, 23 Mariner Street, Buffalo, New York. Associate Member.

Kavany, Patrick, Plumbing Inspector, Board of Health, 59 Pascal Street, Buffalo, New York. Member. In attendance.

Kaz, Dr. R., Consulting and School Oculist, 40 Great Prospect, St. Petersburg, Russia. Member.

Kazmierczak, Andrew, Keeper Public Bath House No. 2, Woltz and Stanislaus Streets, Buffalo, New York. Member. In attendance.

Kazmierczak, Mrs. Kazalia, Assistant Keeper Public Bath House No. 2, Woltz and Stanislaus Streets, Buffalo, New York. Member. In attendance.

Kearney, James I., 965 Genesee Street, Buffalo, New York. Member. In attendance.

Keeler, Jane M., Teacher of Reading, Physical Education, Buffalo Normal School, 153 College Street, Buffalo, New York. Associate Member. In attendance.

Keene, Dr. Charles H., Supervisor of Hygiene and Physical Education, Board of Education, Minneapolis, Minnesota. Member.

Kehew, Mrs. Mary Morton, 29a Chestnut Street, Boston, Massachusetts. Member. In attendance.

Keller, Arthur R., 15 Allen Street, Buffalo, New York. Member.

Kellogg, John H., M.D., Member State Board of Health, Battle Creek, Michigan. Delegate-Member. In attendance. From State of Michigan and American Association of Clinical Research.

Kellogg, Spencer, 98 Delaware Avenue, Buffalo, New York. Member.

Kelly, Dr. Edmund J., 700 Exchange National Bank Building, Colorado Springs, Colorado. Member.

Kelly, Ernest, In Charge of Market Milk Investigation, United States Department of Agriculture, Washington, D. C. Delegate. In attendance. From United States Department of Agriculture.

Kelly, Helen W., Superintendent Health Department Nurses, 21 Chalmers Street, Chicago, Illinois. Delegate. In attendance. From Illinois State Association of Graduate Nurses.

Kemp, Professor W. W., University of Montana, Missoula, Montana. Member.

Kempke, Ida L., School Teacher, 365 Norwood Avenue, Buffalo, New York. Member. In attendance.

Kendall, Mrs. Ada Davenport, Hamburg, New York. Delegate. In attendance. From State of New York.

Kendall, Miss Georgiana, 10 West 55th Street, New York City. Member.

Kennedy, Mrs. Charles, 83 Jewett Avenue, Buffalo, New York. Member. In attendance.

Kennedy, Charles A., 315 West Avenue, Buffalo, New York. Member.

Kennedy, Charles S., Medical Inspector of Schools, 410 Washington Arcade Building, Detroit, Michigan. Delegate-Member. In attendance. From Detroit.

Kennedy, Hugh, Erie County Bank Building, Buffalo, New York. Member.

Kennedy, John J., 727 White Building, Buffalo, New York. Member.

Kennedy, Joseph, 205 Breckenridge Street, Buffalo, New York. Member.

Kennedy, Dr. L. T., 303 Mauch Chunk Street, Pottsville, Pennsylvania. Member.

Kennedy, Mary A., 205 Breckenridge Street, Buffalo, New York. Associate Member.

Kenney, Cora Damian, Eighth Grade Teacher, 486 Fargo Avenue, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Kenney, John J., Salesman, West Disinfecting Company, 203 Oliver Street, Parsons, Pennsylvania. Member. In attendance.

Kent, Edwin N., D.D.S., President Dental Hygiene Council of Massachusetts Dental Society, 222 Washington Street, Brookline, Massachusetts. Delegate-Member. In attendance. From Massachusetts Dental Society and Mental Hygiene Council of Massachusetts.

Kernall, Morris Johnson, Instructor in Biology, State Normal School, Valley City, North Dakota. Delegate-Member. In attendance. From State of North Dakota.

Kernall, Mrs. Morris Johnson, 711 West 5th Street, Valley City, North Dakota. Delegate. In attendance. From North Dakota Federation of Women's Clubs.

Kerr, James, M.A., M.D., 2 Savoy Hill, London, W.C., England. Delegate-Member. In attendance. From The Royal Sanitary Institute and The Child Study Society.

Kerr, John G., M.A., LL.D., Headmaster, Allen Glen's School, 1 India Street, West, Glasgow, Scotland. Member.

Kerrott, Mrs. Frances, School Teacher, Little Rock, Arkansas. Delegate. In attendance. From Department of Education.

Ketcham, Emily, 121 Park Street, Buffalo, New York. Associate Member.

Ketcherside, Dr. E. B., Yuma, Arizona. Associate Member.

Keyes, Edward L., Jr., 109 East 34th Street, New York City. Member. In attendance.

Keyes, Harold Brown, M.D., Physician to Horace Mann School, Columbia University, 70 Morningside Drive, New York City. Delegate-Member. In attendance. From Teachers' College, Columbia University, New York City.

Kielawa, Z. Z., 1125 Broadway, Buffalo, New York. Member. In attendance.

Kielland, S. M., Vice-Consul of Norway, Civil Engineer, 364 Ellicott Square, Buffalo, New York. Delegate-Member. In attendance. From City of Buffalo.

Kimball, D. D., 15 West 38th Street, New York City. Delegate-Member. In attendance. From American Society of Heating and Ventilating Engineers.

Kime, J. W., M.D., Superintendent Boulder Lodge Sanatorium, Fort Dodge, Iowa. Member. In attendance.

Kimmins, Florence E., Assistant Teacher, 33 Arnold Street, Buffalo, New York. Member. In attendance.

Kincannon, Chancellor A. A., President University of Mississippi, University, Mississippi. Delegate-Member. In attendance. From University of Mississippi.

Kinerk, Katharine, Teacher of Physics and Hygiene, 417 South William Street, South Bend, Indiana. Member. In attendance.

King, Alice A., Teacher, 510 Plymouth Avenue, Buffalo, New York. Associate Member. In attendance.

King, Delcevare, 67 Tenth Street, Boston, Massachusetts. Associate Member. In attendance.

King, J. E., M.D., Medical School Inspector, Richmond, Indiana. Member. In attendance.

King, Miss Jeanette M., Director Physical Education State Normal School, Instructor in Sanitation and Hygiene, Murfreesboro, Tennessee. Member. In attendance.

King, Otto U., Huntington, Indiana. Delegate-Member. In attendance. From National Dental Association.

King, Samuel F., Teacher Peckham Vocational School, Town Line, New York. Member. In attendance.

King, William A., Managing Editor "Catholic Union and Times," 147 Beard Avenue, Buffalo, New York. Member. In attendance.

King, W. F., M.D., Assistant Secretary Indiana State Board of Health, Indianapolis, Indiana. Delegate-Associate Member. In attendance. From State of Indiana and Indiana Board of Health.

Kingsford, Howard N., M.D., Hanover, New Hampshire. Member.

Kinkade, Nellie M., 370 Swan Street, Buffalo, New York. Associate Member. In attendance.

Kirby, James R., 181 Chestnut Street, Clinton, Massachusetts. Member. In attendance.

Kirk, Edward C., D.D.S., Dean Dental School of University of Pennsylvania, Philadelphia, Pennsylvania. Delegate. In attendance. From Dental Faculties Association of American Universities.

Kirk, Nellie, School Principal, 417 Crescent Avenue, Buffalo, New York. Delegate-Member. In attendance. From City of Buffalo.

Kirkover, Harry D., 806 White Building, Buffalo, New York. Member.

Kisch, Stella D., B.S., M.A., Physical Director Hebrew Technical School for Girls, 15th Street and Second Avenue, New York City. Delegate-Member. In attendance. From Hebrew Technical Institute for Girls.

Kittredge, Mabel Hyde, Chairman School Lunch Committee of New York, 62 Washington Square, New York City. Delegate-Member. In attendance. From American Home Economics Association.

Kizer, D. T., M.D., Teacher, State Normal School, Springfield, Missouri. Delegate-Member. In attendance. From State Normal School.

Kizer, Miss Claudine, Librarian High School Library, Laurel, Mississippi. Member.

Klaer, Edna M., Superintendent of Elementary School Lunches, 7 West 16th Street, New York City. Member. In attendance.

Klocke, P. H., Tenement House Inspector, 1062 Lovejoy Street, Buffalo, New York. Member. In attendance.

Kloepfer, John A., Broadway and Fillmore Avenue, Buffalo, New York. Member.

Knell, Louis J., M.D., School Principal, 688 Northampton Street, Buffalo, New York. Member. In attendance.

Kneubuehl, Clara, School Teacher, 431 Oak Street, Buffalo, New York. Associate Member. In attendance.

Knight, A. P., M.A., M.D., F.R.S.C., Professor Physiology, Queens University, Kingston, Ontario, Canada. Member.

Knopf, Dr. S. Adolphus, Professor of Medicine, Department of Phthisiotherapy, New York Post-Graduate Medical School, Visiting Physician, Riverside Hospital-Sanitorium. 16 West 95th Street, New York City. Delegate-Member. In attendance. From New York Academy of Medicine, New York Post-Graduate Medical School and Hospital and National Association for the Study and Prevention of Tuberculosis.

Knowlton, Millard, Tuberculosis Inspector, State Board of Health, Trenton, New Jersey. Member. In attendance.

Knox, Mrs. Frank, 116 Everett Street, Manchester, New Hampshire. Member.

Knudson, William, 149 Kingsley Street, Buffalo, New York. Member.

Kober, George M., M.D., Dean School of Medicine, Georgetown University, 1819 Q Street, N. W., Washington, D. C. Member.

Koehler, Anna C., 206 Crescent Avenue, Buffalo, New York. Associate Member. In attendance.

Koehler, F. W., M.D., Inspector Food and Drugs, 168 North Parade Avenue, Buffalo, New York. Member. In attendance.

Koenig, Adolph, Member Advisory Board, Department of Health, Westinghouse Building, Pittsburgh, Pennsylvania. Delegate-Member. In attendance. From State of Pennsylvania.

Koine, Sabina, School Teacher, 286 South Division Street, Buffalo, New York. Member. In attendance.

Kontkovski, General Eugene B., Consulting Engineer, Erteleff Strasse, St. Petersburg, Russia. Member. In attendance.

Kraft, Mrs. Daniel J., 325 Pennsylvania Street, Buffalo, New York. Delegate. In attendance. From State of New York.

Kreinheder, Grace, 11 Highland Avenue, Buffalo, New York. Associate Member.

Krim, Reverend George J., S. J., President Canisius College, 651 Washington Street, Buffalo, New York. Delegate-Member. In attendance. From State of New York.

Krull, Gertrude, 49 Congress Street, Buffalo, New York. Associate Member.

Krull, S. W., School Principal, 49 Congress Street, Buffalo, New York. Member. In attendance.

Kruse, W. C., School Principal, 136 Livingston Street, Buffalo, New York. Member. In attendance.

Krusius, Franz F., Berlin, Germany. Delegate-Member. In attendance. From Deutscher Verein für Schulgesundheitspflege.

Kudlicka, Mrs. Jozefa, Representing Polish Charity "Kôlko Polek", 15 Loepere Street, Buffalo, New York. Delegate-Member. In attendance. From Kôlko Polek Charity Organization.

Kull, E. B., Food and Drug Inspector, 743 Ashland Avenue, Buffalo, New York. Member. In attendance.

Kume, Takeo, care of Mormura Brothers, 546 Broadway, New York City. Member. In attendance.

Kumpf, Henry W., Physical Instructor Public Schools, 87 East Parade Avenue, Buffalo, New York. Associate Member. In attendance.

Kunsman, Katherine, School Teacher, Morrisville, Pennsylvania. Associate Member. In attendance.

Kunze, Rudolph, Chief Inspector, 417 16th Street, West New York, New Jersey. Associate Member. In attendance.

Kyger, Dr. Frederick B., Medical School Inspector, 700 East 31st Street, Kansas City, Missouri. Delegate-Member. In attendance. From Kansas City.

Laberge, J. E., Medical Inspector of Schools, City Hall, Montreal, Canada. Delegate-Member. In attendance. From Montreal, Canada.

La Bonte, Miss Helene, School Teacher, 26 West 55th Street, New York City. Associate Member. In attendance.

Ladd, Elwin A., Superintendent Board of Education, Batavia, New York. Delegate-Member. In attendance. From School Board.

Laduca, John, 150 Front Avenue, Buffalo, New York. Member.

Lagos, Dr. Horacio Garcia, Montevideo, Uruguay. Member.

Laitinen, Professor Dr. Taav, General Director of Medical Board, Helsinki (Helsingfors), Finland. Member.

Lancaster, Julia E., 101 Newbury Street, Boston, Massachusetts. Associate Member. In attendance.

Lancaster, Walter B., M.D., 101 Newbury Street, Boston, Massachusetts. Member. In attendance.

Lancaster, Mrs. Walter B., 101 Newbury Street, Boston, Massachusetts. Associate Member. In attendance.

Landesauschuss der Markgrafschaft Mähren, Der, Brünn, Moravia, Austria. Member. (Two Memberships.)

Landrum, George A., Assistant State Superintendent Public Instruction, Oklahoma City, Oklahoma. Delegate. In attendance. From State Department of Public Instruction.

Langnecker, Harry Leslie, M.D., Assistant Resident Physicain, Massachusetts General Hospital, Boston, Massachusetts. Member.

Lans, Dr. L. T., Augenarzt, Arnhem, Holland, Parkstrasse 50. Member.

Lansingh, V. R., Past President, Illuminating Engineering Society, Represented by proxy E. B. Rowe, Cleveland, Ohio. Associate Member. In attendance.

Lapey, Miss Louise M., Assistant Principal, 807 Auburn Avenue, Buffalo, New York. Member. In attendance.

Lapham, Mary E., Highlands Camp Sanitorium, Highlands, North Carolina. Member. In attendance.

Larkin, Albert E., President Board of Education, 537 East Genesee Street, Syracuse, New York. Delegate-Member. In attendance. From Board of Education.

Larson, Walter E., Rural School Inspector, 925 Spaight Street, Madison, Wisconsin. Member. In attendance.

Lascelles, J. H., Marine National Bank, Buffalo, New York. Member.

Lasher, George Starr, Department of Public Instruction, Lansing, Michigan. Delegate-Member. In attendance. From Department of Public Instruction.

Latham, R. H., Winston-Salem, North Carolina. Member.

Lattin, Cora B., Public Health Speaker for State Board, 63 Crescent Avenue, Buffalo, New York. Delegate-Member. In attendance. From State of New York.

Latour, Dr. D. Manuel de Colosa, Secretario General del Consejo Superior, de Protección a la Infancia, Calle de Atocha No. 133, Madrid, Spain. Member.

Latour, G. E., M.D., 31 Elmwood Avenue, Burlington, Vermont. Delegate-Associate Member. In attendance. From Board of Education.

Lautz, Otto J., Lautz Brothers & Company, Buffalo, New York. Member.

Laval University Association, Quebec, Canada. Member.

Law, B. W., Collins, New York. Associate Member.

Law, Clarence L., Secretary Illuminating Engineering Society, 124 West 42d Street, New York City. Delegate. In attendance. From Electric Illuminating Engineering Society.

Law, E. A., Bartow Commandery No. 15, Knights Templar, Bartow, Florida. Member.

Law, Mary E., M.D., 12313 Ashland Avenue, Toledo, Ohio. Member.

Lawrence, C. G., State Superintendent of Public Instruction, Pierre, South Dakota. Member. In attendance.

Lawrence, Flora C., Critic at Teachers' Training School, 362 Rhode Island Street, Buffalo, New York. Member. In attendance.

Lawrence, Louise H., School Teacher, 128 Park Street, Buffalo, New York.

Lawson, George B., Principal Vermont Academy, Saxtons River, Vermont. Member.

Lazowski, Charles H., D.D.S., 897 Russell Street, Detroit, Michigan. Delegate-Member. In attendance. From Board of Health of Detroit.

Leary, Montgomery E., Superintendent Iola Sanatorium, 397 West Avenue, Rochester, New York. Delegate-Member. In attendance. From Iola Sanatorium.

Leathers, W. S., Director of Public Health, University of Mississippi, Oxford, Mississippi. Delegate-Member. In attendance. From State of Mississippi.

Le Croix, Emma, 42 Pleasant Place, Buffalo, New York. Associate Member.

Lee, Francis, School Principal, 344 Marlborough Street, Boston, Massachusetts. Member. In attendance.

Lee, Frederick S., Ph.D., A.M., Dalton Professor of Physiology, Columbia University; Member Society for Experimental Biology and Medicine; Member American Physiological Society, 437 West 59th Street, New York City. Member.

Lee, Joseph, President Playground and Recreation Association of America, 101 Tremont Street, Boston, Massachusetts. Member. In attendance.

Lee, Mary A., 86 Verplanck Street, Buffalo, New York. Member.

Lee, Dr. Q. B., 814 Gibbs Building, San Antonio, Texas. Member.

Lee, Thomas A., Medical Inspector, Hibbing Schools, Hibbing, Minnesota. Delegate-Associate Member. In attendance. From State of Minnesota.

Le Garde, Miss Ellen, Director of Physical Training, Public Schools. 114 Elmgrove Avenue, Providence, Rhode Island. Delegate-Associate Member. In attendance. From City of Providence.

Lehnis, Edith M., M.D., 360 Fougeron Street, Buffalo, New York. Member. In attendance.

Lenhardtson, Albin, Stocksund, Stockholm, Sweden. Member.

Lentz, Bertha M., 711 Richmond Avenue, Buffalo, New York. Member. In attendance.

Leonard, Emma, Assistant School Teacher, 834 Elmwood Avenue, Buffalo, New York. Associate Member. In attendance.

Leone, Charles, M.D., City District Physician, 497 Niagara Street, Buffalo, New York. Member. In attendance.

Lepine, Rosina A., Assistant School Principal, 332 Dodge Street, Buffalo, New York. Member. In attendance.

Lester, M. J., School Teacher, 301 Normal Avenue, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Le Stourgeon, Elizabeth M., Third Vice-President, San Antonio Council of Mothers, 618 Morales Street, San Antonio, Texas. Delegate-Member. In attendance. From San Antonio Council of Mothers.

Louisi, Dr. Paulina, Montevideo, Uruguay. Member.

Levenson, Joseph M., Member Board of Education, Chelsea, Massachusetts. Member. In attendance.

Levis, Harold J., M.D., Health Physician, 660 Lake View Avenue, Rochester, New York. Delegate. In attendance. From Department of Health, Rochester, New York.

Lewin, A. L., M.D., Member of Pittsburgh Board of Education, 3703 Penn Avenue, Pittsburgh, Pennsylvania. Delegate-Member. In attendance. From Board of Public Education of Pittsburgh.

Lewis, F. Park, M.D., President American Association for the Conservation of Vision, 454 Franklin Street, Buffalo, New York. Delegate-Member. In attendance. From National Association for the Study and Education of Exceptional Children.

Lewis, Mrs. George C., President Women's Club, Stuttgart, Arkansas. Delegate. In attendance. From Arkansas Federation of Women's Club.

Lewis, L. L., Jr., 25 Erie County Bank Building, Buffalo, New York. Member.

Lewis, Samuel R., 900 Michigan Avenue, Chicago, Illinois. Member.

Lewis, William A., Department History and Civics, Central High School, 3537 Campbell Street, Kansas City, Missouri. Delegate-Member. In attendance. From Department of Surveys and Exhibits, Russell Sage Foundation, New York City.

Lewis, W. W., 45 Swan Street, Buffalo, New York. Member. In attendance.

Liber, B., M.D., Editor "Our Health," 272 East 10th Street, New York City. Member. In attendance.

Library of Johns Hopkins University, Baltimore, Maryland. Member.

Library School of Pedagogy, New York University, Washington Square, New York City, Miss Frances M. Woodward, Librarian. Member.

Liddell, Isabel, Teacher, 445 Connecticut Street, Buffalo, New York. Member. In attendance.

Liddell, Mary, Teacher, 445 Connecticut Street, Buffalo, New York. Member. In attendance.

Ligue Française pour l'Hygiène Scolaire, 37 Rue des Mathurins, Paris, France. Member.

Linde Air Products Company, 155 Chandler Street, Buffalo, New York. Member.

Lindsay, N. D., 774 Main Street, Buffalo, New York. Member.

Lindsay, Samuel McCune, 611 Kent Hall, Columbia University, New York City. Member.

Linetty, Bruno S. S., 236 Lovejoy Street, Buffalo, New York. Delegate-Member. In attendance. From The Copernicees Educational Aid Association of Buffalo.

Lipman, Jacob E., Director New Jersey Agricultural Experiment Station; Professor of Agriculture, Rutgers College, New Brunswick, New Jersey. Delegate-Member. In attendance. From State of New Jersey.

Lipsky, Harry A., Member, Board of Education, 1214 South Halsted Street, Chicago, Illinois. Delegate-Member. In attendance. From Board of Education of Chicago.

Lobsien, Dr. Marx, Hohenzollernring 63, Kiel, Germany. Associate Member.

Loche, Edwin Allen, 311 Beacon Street, Boston, Massachusetts. Member.

Lockron, Emma, 23 College Place, Buffalo, New York. Member.

Lockwood, Jessie M., School Principal, York School, Seattle, Washington. Associate Member. In attendance.

Lockwood, Thomas B., 407 White Building, Buffalo, New York. Member.

Loeb, Jacob M., care of D. P. MacMillan, Room 806 Tribune Building, Chicago, Illinois. Member.

Loeber, Maud, M.D., 1729 Marengo Street, New Orleans, Louisiana. Member.

Logue, Charles, Chairman School House Commission, 120 Boylston Street, Boston, Massachusetts. Member. In attendance.

Long, Dr. Eli H., Professor Materia Medica, Dental Department, University of Buffalo; Professor Toxicology, Pharmacy Department, University of Buffalo, Buffalo, New York. Associate Member. In attendance.

Long, R. A., R. A. Long Building, Kansas City, Missouri. Member.

Long, Dr. S. C., Suite No. 1, Woodmen Building, Corner 18th Street and First Street, Bakersfield, California. Member.

Looney, Dr. R. N., Secretary State Board of Health, Prescott, Arizona. Member.

Lopez del Valle, Dr. J. A., Jefe Local Sanidad, Habana, Cuba. Member.

Lotze, J. Edward, Member, Board of Health, 22 Willow Street, Gloversville, New York. Delegate. In attendance. From Board of Health, Gloversville, New York.

Love, Maria M., 184 Delaware Avenue, Buffalo, New York. Delegate-Associate Member. In attendance. From City of Buffalo.

Love, Sarah J., Teacher, 261 West Tupper Street, Buffalo, New York. Associate Member. In attendance.

Lovejoy, Herman S., Branford, Connecticut. Member.

Lovett, Edgar Odell, Ph.D., care of The William M. Rice Institute, Houston, Texas. Member.

Lowe, Amy F., Inspector of Hygiene and School Nursing, 101 South Lincoln Avenue, Aurora, Illinois. Member. In attendance. From Board of Education.

Lowe, Harold T., Teacher, 84 Garner Avenue, Buffalo, New York. Member. In attendance.

Lowe, Miss Louise E., R.N., Social Service Nurse, Anti-Tuberculosis Association, Room 14, City Hall, Aurora, Illinois. Delegate-Mem-

ber. In attendance. From City of Aurora and Aurora Anti-Tuberculosis Society.

Lowman, Professor John H., President National Association for the Study and Prevention of Tuberculosis, 1807 Prospect Avenue, Cleveland, Ohio. Delegate. In attendance. From City of Cleveland and the National Association for the Study and Prevention of Tuberculosis.

Lowry, Edith B., M.D., Author and Lecturer, St. Charles, Illinois. Member. In attendance.

Lucas, Dr. William Palmer, Professor of Pediatrics, University of California, University of California Hospital, San Francisco, California. Member.

Luckey, Professor G. W. A., The University of Nebraska, Lincoln, Nebraska. Member.

Luckie, S. Blair, D.D.S., 333 East Broad Street, Chester, Pennsylvania. Delegate-Member. In attendance. From Pennsylvania State Dental Society.

Luckiesh, M., Physicist, National Electric Lamp Association, Cleveland, Ohio. Delegate. In attendance. From Electric Illuminating Engineering Society.

Ludwig, Mary L., Department Principal Lincoln School No. 44, 502 Hickory Street, Buffalo, New York. Member. In attendance.

Luebben, J. L., National German-American Association, 25 Parkside Avenue, Buffalo, New York. Delegate-Member. In attendance. From National German-American Teachers' Association.

Luedke, William P., 215 Main Street, Buffalo, New York. Member.

Lukasiewicz, Professor Antoni, Directeur de Musée Scolaire polonais à Lwow, Lemberg, Austria. Member.

Lusiaik, Martin, 1093 Broadway, Buffalo, New York. Member. In attendance.

Lusk, Graham, Ph.D., Sc. D., F.R.S., (Edin.) Professor of Physiology, Cornell Medical College; Member, Society for Experimental Biology and Medicine; Member, American Physiological Society, 11 East 74th Street, New York City. Member.

Lusk, William C., 47 East 34th Street, New York City. Member.

Lyman, Mrs. Arthur E., Principal of Laurel School, 10001 Euclid Avenue, Cleveland, Ohio. Member. In attendance.

Lynch, J. C., 355 North Division Street, Buffalo, New York. Member. In attendance.

Lynch, Maurice M., Superintendent of Schools, Winchester, Virginia. Member.

Lynch, Peter J., Inspector of Plumbing, 297 15th Street, Buffalo, New York. Member. In attendance.

Lynd, Catherine F., R.N., Supervising School Nurse, Schenectady, New York. Delegate. In attendance. From Schenectady, New York.

Lyon, Mrs. I. P., 531 Franklin Street, Buffalo, N. Y. Associate Member. In attendance.

MacArthur, Alice, Teacher, Williamsville, New York. Associate Member. In attendance.

MacDonald, F. G., M.D., Medical Inspector of Schools, Calgary, Alberta, Canada. Delegate. In attendance. From Calgary School Board.

MacDonald, Lillias, Instructor Physical Training, 355 Parkdale Avenue, Buffalo, New York. Member. In attendance.

Mache, Charles L., 685 Linwood Avenue, Buffalo, New York. Member.

Maciejewska, Frances, 1385 Broadway, Buffalo, New York. Delegate-Member. In attendance. From Woodmen Circle Koscinski Grove, No. 13.

Mackay, Alexander, M.D., 579 Euclid Avenue, Toronto, Canada. Delegate-Member. In attendance. From Board of Education.

Mackay, A. H., Superintendent of Education for Nova Scotia, Education Office, Halifax, Nova Scotia. Delegate-Member. In attendance. From Department of Education of Nova Scotia.

Mackey, Ebenezer, 314 Hamilton Avenue, Trenton, New Jersey. Member.

MacMahon, Mrs. John, Member, Board of Education, 5426 East View Park, Chicago, Illinois. Delegate-Member. In attendance. From Board of Education of Chicago.

MacMillan, D. P., M.B., Ph.D., Director Department of Child Study and Education Research, Board of Education, Suite 806 Tribune Building, Chicago, Illinois. Delegate-Member. In attendance. From City Club, City of Chicago, Board of Education of Chicago and National League of Compulsory Education.

MacMurchy, Helen, M.D., Inspector of Feeble-Minded for Ontario, 133 East Bloor Street Toronto, Ontario, Canada. Delegate-Member. In attendance. From Ontario Government and Canadian Medical Association.

MacNeal, Dr. Ward J., 303 East 20th Street, New York City. Member.

Macy, Mary Sutton, M.D., Secretary Public Health Education Committee Medical Society; Neurologist Demilt Dispensary, 101 West 80th Street, New York City. Member. In attendance.

Madden, Mary E., 160 Normal Avenue, Buffalo, New York. Associate Member.

Madeira, Lucy, 1326 19th Street, Washington, D. C. Member.

Mahoney, John J., M.D., 401 Lafayette Street, Jamestown, New York. Delegate-Member. In attendance. From City of Jamestown.

Malkin, Max, M.D., 536 16th Street, Rock Island, Illinois. Member.

Maloney, Kate F., Teacher, 76 Johnson Park, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Mandel, Edward, School Principal, 524 Grand Street, New York City. Delegate-Member. In attendance. From State of New York.

Mangold, Martha, Teacher, 17 South 12th Street, Newark, New Jersey. Associate Member. In attendance.

Mankell, Nathalie Kavaleff, 63 Linwood Avenue, Buffalo, New York, Member. In attendance.

Mann, Frank H., Secretary Committee on Prevention of Tuberculosis, 105 East 22d Street, New York City. Delegate-Member. In attendance. From New York City.

Mann, Mathew D., M.D., 37 Allen Street, Buffalo, New York. Member.

Mann, T. A., M.D., Elk's Home, Brunswick, Georgia. Member.

Marcy, William L., 45 Erie County Bank Building, Buffalo, New York. Member.

Marcy, Mrs. William L., 160 North Street, Buffalo, New York. Member.

Mariscal, Arq. Federico, Mexico City, Mexico. Member.

Marks, Miss Rachel R., Head of German Department, Buffalo Technical High School, Buffalo, New York. Member. In attendance.

Marlott, Professor Abby L., University of Wisconsin, Madison, Wisconsin. Member.

Marot, Mary S., Teacher, 540 East 76th Street, New York City. Member. In attendance.

Marroche, Dr. Alberto, Montevideo, Uruguay. Member.

Martel, Felix, Inspector-General, Department of Instruction, 4 Villa du Bel Air, Paris, France. Delegate-Member. In attendance.

Maryland Society of Social Hygiene, C. C. Rohr, Representative, 15 East Pleasant Street, Baltimore, Maryland. Member.

Martin, Mrs. A. J., North Tonawanda, New York. Delegate. In attendance. From City of North Tonawanda.

Martin, C. A., Winfield, Kansas. Delegate-Member. In attendance. From Kansas State Dental Association, State of Kansas, National Dental Association and National Mouth Hygiene Association.

Martin, Elizabeth L., M.D., Advisor of Women and Medical Examiner, University of Pittsburgh, 329 South Dallas Avenue, Pittsburgh, Pennsylvania. Delegate-Member. In attendance. From University of Pittsburgh.

Martin, Professor J. O., Superintendent Newton County Schools, Covington, Georgia. Delegate-Member. In attendance. From State of Georgia.

Martin, Sir Richard B., 10 Hill Street, Mayfair West, London, England. Member.

Martin, W. G., School Principal, 4332 Rockhill Road, Kansas City, Missouri. Delegate-Member. In attendance. From Kansas City, Missouri.

Martindale, Dr. E. W., 50 Ruggery Building, Columbus, Ohio. Delegate-Member. In attendance. From National Mouth Hygiene Association and the Ohio State Dental Society.

Massachusetts Agricultural College, Amherst, Massachusetts. Member.

Mather, Samuel, Western Reserve Building, Cleveland, Ohio. Member.

Matheson, Kenneth G., President Georgia School of Technology, Atlanta, Georgia. Delegate-Member. In attendance. From State of Georgia.

Mathieu, Dr. A., 37 Rue des Mathurins, Paris, France. Member.

Matzinger, Herman G., M.D., Professor of Psychiatry, University of Buffalo, Medical Department, 90 Soldiers Place, Buffalo, New York. Delegate-Member. In attendance. From State of New York.

Maxwell, Margaret A., 417 Vermont Street, Buffalo, New York. Associate Member. In attendance.

May, Eva G., Physical Director, College for Women, Western Reserve University, Cleveland, Ohio.

Maycock, Mark M., 220 Jersey Street, Buffalo, New York. Member.

May, Alfred G., Tortugas, via Key West, Florida. Associate Member.

Mayer, Dr. Karl, Director of Gymnastics, 11 Wittelsbachstrasse 6, Wien, Austria. Member. In attendance.

Mayo, Earl W., 437 Fifth Avenue, New York. Member. In attendance.

Mays, Vernon Griffith, Principal High School, Lincoln, Nebraska. Delegate-Member. In attendance. From State of Nebraska.

Mazurowska, Miss Martha M., Assistant School Principal, 168 Detroit Street, Buffalo, New York. Delegate-Member. In attendance. From City of Buffalo.

McAllester, Laura C., Director of Physical Training, State Normal College, Greensboro, North Carolina. Delegate-Member. In attendance. From State of North Carolina.

McAlpin, Dr. A., Bradford, Pennsylvania. Member.

McBride, J. Louise, Supervisor Physical Training, 213 Highwood Avenue, Weekawken, New Jersey. Delegate. In attendance. From Board of Education.

McCall, Ida G., School Principal, 452 West Delavan Avenue, Buffalo, New York. Member. In attendance.

McCallie, Dr. J. M., Supervisor of Special Classes, 55 Model Avenue, Trenton, New Jersey. Delegate-Member. In attendance. From City of Trenton.

McCallum, Jean, School Nurse, 187 University Avenue, Kingston, Ontario, Canada. Member. In attendance.

McCormick, E. F., Ph.D., M.D., Secretary Ohio State Board of Health, Columbus, Ohio. Delegate-Member. In attendance. From State of Ohio and State Board of Health.

McCann, T. A., Chairman Ohio State Medical Examining Board, 115 North Perry Street, Dayton, Ohio. Delegate-Member. In attendance. From State of Ohio.

McCarthy, Cornelius F., M.D., Health Officer, Batavia, New York. Delegate-Member. In attendance. From Batavia, New York.

McCarthy, Edmond D., 41 East Eagle Street, Buffalo, New York. Member.

McCarthy, Ida C., 714 Plymouth Avenue, Buffalo, New York. Associate Member.

McCastline, William H., M.D., University Physician and Sanitary Officer, Columbia University, New York City. Delegate-Member. In attendance. From Barnard College, Columbia University.

McClanahan, H. M., 468 Brandeis Building, Omaha, Nebraska. Delegate. In attendance. From University of Nebraska.

McClure, Dr. Daniel V., Examining Physician, Division of Child Labor, 799 Elk Street, Buffalo, New York. Member.

McCormick, S.B., Chancellor, University of Pittsburgh, Pittsburgh, Pennsylvania. Member.

McCullough, Piercy B., D.D.S., Chief, Dental Division, Bureau of Health, City Hall, Philadelphia, Pennsylvania. Delegate-Member. In attendance. From City of Philadelphia and National Dental Association.

McCurdy, J. H., M.A., M.D., M.P.E., Director Normal Courses of Physical Education, Young Men's Christian Association College, Springfield, Massachusetts. Delegate-Member. In attendance. From American Physical Education Association and Young Men's Christian Association College.

McDonald, Kate C., 500 Lafayette Avenue, Buffalo, New York. Member. In attendance.

McDonald, Dr. H. J., 438 Elk Street, Buffalo, New York. Member. In attendance.

McDonnell, John P., 858-860 Main Street, Buffalo, New York. Member.

McDonough, Francis A., 323 Spruce Street, Manchester, New Hampshire. Associate Member. In attendance.

McDonough, Joseph M., 215 Hanover Street, Manchester, New Hampshire. Delegate-Member. In attendance. From Board of Education.

McDougal, Mrs. D. A., President of Federation of Women's Clubs of Sapulpa, Oklahoma. Delegate. In attendance. From Oklahoma Federation of Women's Clubs.

McDougal, Mary Carmach, 217 South Elm Street, Sapulpa, Oklahoma. Delegate. In attendance. From Ladies' Library Club, Sapulpa, Oklahoma, and the Oklahoma Federation of Women's Clubs.

McDougal, Myrtle, Sapulpa, Oklahoma. Delegate. In attendance. From Oklahoma Federation of Women's Clubs.

McDowell, M. A., 145 Franklin Street, Buffalo, New York. Associate Member.

McDuff, Mary L., 2389 Niagara Street, Buffalo, New York. Associate Member.

McEachern, Duncan B., M.D., Medical Inspector Chicago Board of Health; Physician for Elizabeth McCormick Open Air Schools, Chicago, Illinois. Delegate-Member. In attendance. From State Illinois.

McEachern, Neil, 331 Vermont Street, Buffalo, New York. Member.

McFadden, Elizabeth, State Normal School, San Jose, California. Member.

McFadden, H. B., 3505 Hamilton Street, Philadelphia, Pennsylvania. Delegate. In attendance. From National Dental Association.

McFadden, T. W., D.D.S., Wilkinsburg, Pennsylvania. Member. In attendance.

McGee, Hugh J., Medical School Examiner, 820 Elk Street, Buffalo, New York. Member. In attendance.

McGill, Mrs. A. B., Peoria School Board, 601 North Monroe Street, Peoria, Illinois. Delegate-Member. In attendance. From Peoria School Board.

McGorey, John H., 85 15th Street, Buffalo, New York. Member.

McGowan, Anna S., 2520 Main Street, Buffalo, New York. Member.

McGreevy, Mrs. Thomas, 208 Loring Avenue, Buffalo, New York. Member. In attendance.

McGreevy, Thomas, School Principal, 208 Loring Avenue, Buffalo, New York. Member. In attendance.

McGuire, Katherine, 444 Woodward Avenue, Buffalo, New York. Member. In attendance.

McIntyre, Charles, A. M., M.D., 52 North Fourth Street, Easton, Pennsylvania. Member.

McIntyre, Hugh, 147 Bird Avenue, Buffalo, New York. Member. In attendance.

McKeag, Anna Jane, Ph.D., LL.D., President of Wilson College, Chambersburg, Pennsylvania. Delegate-Member. In attendance. From Wilson College.

McKee, W. A., Benton, Illinois. Delegate. In attendance. From Illinois State Dental Society.

McKee, T. H., M.D., 179 Franklin Street, Buffalo, New York. Member.

McKenzie, R. Tait, M.D., Professor of Physical Education, University of Pennsylvania, Philadelphia, Pennsylvania. Delegate-Member. In attendance. From City of Philadelphia.

McKinley, E. N., 358 Bird Avenue, Buffalo, New York. Member.

McKirnban, G. B., M.D., Health Officer, Portsmouth, Ohio. Member. In attendance.

McKowne, Teacher, 12 Livingston Street, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

McLaughlin, M. Irene, 902 White Building, Buffalo, New York. Member.

McLean, Mrs. D. S., 338 Goundry Street, North Tonawanda, New York. Delegate. In attendance. From City of North Tonawanda.

Hugh McLean Lumber Company, 940 Elk Street, Buffalo, New York. Member.

McLester, James S., M.D., 1218 Empire Building, Birmingham, Alabama. Member.

McMahon, Charles A., Secretary Board of School Examiners, 608 Prudential Building, Buffalo, New York. Delegate-Member. In attendance. From City of Buffalo.

McNutt, Randolph, 45 East Swan Street, Buffalo, New York. Member.

McWilliams, Shirrell, 92 Lancaster Avenue, Buffalo, New York. Member.

Mead, Kate Campbell, M.D., 165 Broad Street, Middletown, Connecticut. Member.

Meade, Carrie Mae, Communicable Disease Nurse (T. B. Division), 421 East Utica Street, Buffalo, New York. Member. In attendance.

Meader, F. M., M.D., Associate Professor Preventive Medicine, Syracuse Medical School, 401 City Hall, Syracuse, New York. Member. In attendance.

Meanwell, Dr. W. E., 1109 West Johnson Street, Madison, Wisconsin. Member.

Medical Women's Club of Chicago, 1365 East 56th Street, Chicago, Illinois. Delegate-Member. In attendance.

Meek, Charles Roscoe, Medical Inspector of Schools, Lorain, Ohio. Member. In attendance.

Mehnert, Fannie L., 139 Northampton Street, Buffalo, New York. Member.

Meidenbauer, Minnie B., Assistant Teacher, 299 Summit Avenue, Buffalo, New York. Member. In attendance.

Meigs, Dwight R., The Hill School, Pottstown, Pennsylvania. Member.

Meisburger, Dr. L., 85 North Pearl Street, Buffalo, New York. Delegate-Member. In attendance. From New York State Dental Society and National Dental Association.

Meisenbach, Dr. C. H., 39 Saybrook Place, St. Louis, Missouri. Associate Member. In attendance.

Meisenbach, Roland O., M.D., 140 Allen Street, Buffalo, New York. Member. In attendance.

Meisenbach, Mrs. Roland, Chairman Eastern Section, 140 Allen Street, Buffalo, New York. Associate Member. In attendance.

Meister, Charles F., 631 Main Street, Buffalo, New York. Member. In attendance.

Meldrum, H. A., 460 Main Street, Buffalo, New York. Member.

Mellen, Calvert K., Principal Lafayette High School, 49 Brantford Place, Buffalo, New York. Delegate-Member. In attendance. From Norwich University, Northfield, Vermont and Military College of the State of Vermont.

Melvin, A. D., Department of Agriculture, Washington, D. C. Member. In attendance.

Menges, Anna M., 505 Oak Street, Buffalo, New York. Associate Member.

Menzie, Grace, Assistant Superintendent District Nursing Association, 74 West Utica Street, Buffalo, New York. Associate Member. In attendance.

Merrick, Jessie B., Director Physical Training for Women, 1814 Madison Street, Madison, Wisconsin. Member. In attendance.

Merrill, Julia, M.D., 1430 North Robey Street, Chicago, Illinois. Associate Member.

Merriman, Mrs. Sheldon, Elba, New York. Delegate-Member. In attendance. From New York State.

Merritt, Dr. Arthur H., 59 West 46th Street, New York City. Member.

Merritt, Nellie M., 223 Neponset Avenue, Dorchester, Massachusetts. Member. In attendance.

Mery, Dr. Henry, Secretary French Association of School Hygiene, 75 Boulevard Malesherbes, Paris, France. Member. In attendance.

Meyer, A. J., 388 Virginia Street, Buffalo, New York. Member. In attendance.

Meyer, Adolf, M.D., LL.D., Professor of Psychiatry, Johns Hopkins University, Baltimore, Maryland. Member.

Meyer, Dr. Alfred, 785 Madison Avenue, New York City. Member.

Meyer, C. J., 553 Genesee Street, Buffalo, New York. Member.

Meyer, J. M., 88 Lemon Street, Buffalo, New York. Member.

Meyerding, Dr. E. A., Supervisor of School Hygiene, Lowry Building, St. Paul, Minnesota. Delegate-Member. In attendance. From State of Minnesota.

Meylan, George L., M.D., Columbia University, New York City. Member.

Michaux, Anna Meade, Supervising Teacher, North Carolina Normal College, Greensboro, North Carolina. Delegate-Member. In attendance. From State of North Carolina.

Milar, Mrs. W. W., President Home and School League, 64 Fay Street, Akron, Ohio. Delegate-Member. In attendance. From State of Ohio and Home and School League.

Millard, Columbus N., School Principal, 837 Richmond Avenue, Buffalo, New York. Member. In attendance.

Miller, Dr. A. I., 25 High Street, Brattleboro, Vermont. Member.

Miller, Reverend August A., 651 Washington Street, Buffalo, New York. Member.

Miller, Edwin F., School Principal, Youngstown, Ohio. Member. In attendance.

Miller, Edwin S., M.D., Superintendent Public Health and Registrar Vital Statistics, Flagstaff, Arizona. Member.

Miller, E. G. S., Best and Jefferson Streets, Buffalo, New York. Member.

Miller, Henrietta E., 193 Lancaster Avenue, Buffalo, New York. Associate Member.

Miller, Dr. Herbert C., North Pacific College, East 6th and Oregon Streets, Portland, Oregon. Member.

Miller, Mrs. John H., President Parent-Teacher League, 1617 West Jefferson, Louisville, Kentucky. Delegate-Member. In attendance. From Parent-Teacher League.

Miller, W. W., 311 Woodward Avenue, Buffalo, New York. Member.

Mills, Hiram F., 66 Broadway, Lowell, Massachusetts. Member.

Mills, Horace C., 92 Johnson Park, Buffalo, New York. Member.

Mills, Margaret B., 88 California Street, Buffalo, New York. Member.

Mills, Mrs. William M., 397 Goundry Street, North Tonawanda, New York. Associate Member. In attendance.

Milne, Mrs. Tamar, Matron, The Hospital, St. Catharines, Ontario, Canada. Member. In attendance.

Minehan, Evadne J., 216 Normal Avenue, Buffalo, New York. Associate Member.

Miner, Charles H., M.D., 155 South Franklin Street, Wilkes Barre, Pennsylvania. Member.

Minkel, Bessie A., Teacher, Hamburg, New York. Associate Member.  
In attendance.

Minot, Dr. James J., 188 Marlborough Street, Boston, Massachusetts. Member.

Mirick, George A., Assistant Commissioner of Education, State House, Trenton, New Jersey. Member. In attendance.

Mishima, Professor Dr. M., 12 Takaki-cho, Aoyama, Tokio, Japan. Member.

Mitchell, James McC., Marine Bank Building, Buffalo, New York. Member. In attendance.

Miyake, Dr. Hidzu, Takchayachio 81, Koishikama, Tokio, Japan. Member. In attendance.

Moffett, Dr. Rudolph Duryea, 830 Park Avenue, New York City. Member.

Moody, Mrs. Robert O., 2829 Garber Street, Berkeley, California. Member.

Mooney, James J., M.D., 490 Delaware Avenue, Buffalo, New York. Member.

Moore, Dr. J. M., Albany, New York. Delegate. In attendance. From State of New York.

Moore, Kathryn, School Teacher, 36 South Street, Buffalo, New York. Associate Member. In attendance.

Moot, Adelbert, 45 Erie County Bank, Buffalo, New York. Member.

More, C. W., M.D., The More Hospital, Eveleth, Minnesota. Member.

More, George E., 8 Soldiers Place, Buffalo, New York. Associate Member. In attendance.

Morgan, Mary L., Teacher, 112 Bird Avenue, Buffalo, New York. Delegate. In attendance. From State of New York and City of Buffalo.

Morichar, Louis, Echevin de l'Instruction publique de Saint Gilles lez Bruxelles, Belgique. Member.

Morley, Caroline A., 138 Riley Street, Buffalo, New York. Member.

Morley, Elizabeth Morton, 119 Cedar Street, Newton Center, Massachusetts. Associate Member.

Morrey, Dr. Charles B., Professor of Bacteriology, Ohio State University, Columbus, Ohio. Member.

Morrill, Alfred B., Superintendent of Schools, Wallingford, Connecticut. Delegate-Member. In attendance. From Connecticut State Superintendents' Association and Board of School Visitors.

Morrison, C. C., M.D., Greensburg, Indiana. Member. In attendance.

Morrison, J. H., A.M., M.D., Health Commissioner, Bartholomew County, Hartsville, Indiana. Delegate-Member. In attendance. From State of Indiana.

Morse, Josiah, University of South Carolina, Columbia, South Carolina. Associate Member.

Morse, W. B., Salem, Oregon. Member.

Moss, Mary I., Box 198, Annapolis, Maryland. Member.

Moulthrop, Samuel P., School Principal, Rochester, New York. Member. In attendance.

Moyer, Hewson H., 16 Clarendon Place, Buffalo, New York. Member.

Mueller, Herr P. Foh., Lassandenerstrasse 10 a. Charlottenburg, Germany. Member.

Mugler, Emma C., Teacher Domestic Science, 1256 Main Street, Buffalo, New York. Associate Member. In attendance.

Mullin, Dr. R. H., State Board of Health, University Campus, Minneapolis, Minnesota. Member.

Mulroy, Mary T., 29 Oakdale Place, Buffalo, New York. Delegate. In attendance. From the Catholic Women's Saturday Afternoon Club.

The Municipality of the Hague, The Hague, Netherlands. Member.

Municipality of Laandam, Holland, Secretary: Kraan. Member.

Municipality of Montevideo, Montevideo, Uruguay. Member.

Municipality of Rotterdam, Rotterdam, Holland. Member.

Munn, Dr. John P., 18 West 58th Street, New York City. Member.

Munroe, John A., 64 Main Street, Saranac Lake, New York. Member.

Muntz, Emanuel, D.D.S., 867 Washington Street, Buffalo, New York. Delegate. In attendance. From Eighth District Dental Society of the State of New York.

Murphy, Anastasia, Assistant School Principal, 17 Euclid Place, Buffalo, New York. Associate Member. In attendance.

Murphy, E. E., M.D., President Board of Health, Augusta, Georgia. Delegate-Member. In attendance. From Department of Health, Augusta, Georgia.

Murney, Miss Lillian T., Principal Murray Hill School, Cleveland, Ohio. Delegate-Associate Member. In attendance. From City of Cleveland.

Musenbach, Dr. A. H., St. Louis, Missouri. Associate Member. In attendance.

Myers, Manette A., State Director Industrial Education, Santa Fe, New Mexico. Member. In attendance.

N. O. Landes Obereinnehmeramt, Wien 9, Austria. Member.

Nairn, B. Ross, M.D., Examiner in Lunacy, 512 Franklin Street, Buffalo, New York. Member. In attendance.

Naramore, F. A., 812 Marshall Street, Portland, Oregon. Member.

Nash, Lois H., Teacher, 750 Seventh Street, Buffalo, New York. Member. In attendance.

Nash, Miss Sue, State Normal College, Greensboro, North Carolina. Delegate-Member. In attendance. From State of North Carolina.

National Child Labor Committee, Owen R. Lovejoy, General Secretary, 105 East 22d Street, New York City. Associate Member.

National Committee for Mental Hygiene, Room 1914, 50 Union Square, New York City. Member.

National Counsel of Hygiene, Montevideo, Uruguay. Member.

National Organization for Public Health Nursing, 52 East 34th Street, New York City. Ella Phillips Crandall, R.N., Representative. Member. In attendance.

Navagh, G. I., 287 Fifteenth Street, Buffalo, New York. Associate Member.

Navagh, Mary E., Principal Perry Street School, 287 Fifteenth Street, Buffalo, New York. Member. In attendance.

Neal, Jean I., 77 Welker Street, Buffalo, New York. Member.

Neal, Mary Olive, 256 Bryant Street, Buffalo, New York. Associate Member.

Neff, Dr. J. S., 584 City Hall, Philadelphia, Pennsylvania. Member.

Nehin, Lauretta M., 215 Huntington Avenue, Buffalo, New York. Associate Member.

Neill, J. M., Principal, Commercial Department and General Secretary of Huron College, Huron, South Dakota. Delegate-Member. In attendance. From State of South Dakota.

Nelken, Miss Augusta, Critic Teacher, State Normal School, Natchitoches, Louisiana. Associate Member.

Nellany, Michael, 63 Erie County Bank Building, Buffalo, New York. Member.

Nelligan, Florence, 309 West Avenue, Buffalo, New York. Associate Member.

Nelson, Elizabeth A., 160 Normal Avenue, Buffalo, New York. Member.

Nelson, James E., St. John Street, Lancaster, New York. Member.

Nesbit, Otis B., County Health Commissioner, Valparaiso, Indiana. Member. In attendance.

Nettleton, Charles H., Drawer L., Derby, Connecticut. Member.

Newland, Ethel M., Instructor, Domestic Science, 51 Eastwood Place, Buffalo, New York. Associate Member. In attendance.

Newmayer, Dr. S. W., 1834 West Gerard Avenue, Philadelphia, Pennsylvania. Member.

Newton, Abbie E., Supervisor, Angola High School, 2574 Main Street, Buffalo, New York. Delegate-Associate Member. In attendance. From City of Buffalo.

New York Public Library, 476 Fifth Avenue, New York City. Member.

New York Telephone Company, Church and Franklin Streets, Buffalo, New York. Member.

Ney, Miss Frances H., Teacher of Special Class, 79 Goodell Street, Brooklyn, New York. Associate Member. In attendance.

Nice, Dr. Leonard Blaine, Norman, Oklahoma. Member.

Nickerson, Rheba D., Assistant, Physical Training Department, Buffalo Public Schools, 282 Babcock Street, Buffalo, New York. Member. In attendance.

Nise, John, Engineer Public Bath No. 2, 246 Monroe Street, Buffalo, New York. Member. In attendance.

Noble, Dr. Emily, Murray Hill Hotel, New York City. Delegate-Member. In attendance. From Twentieth Century Children's Health Crusade and Woman's Health Protective Association.

Noon, Estelle, 802 Seneca Street, Buffalo, New York. Associate Member.

Norfleet, Helen, 313 West 8th Street, Oklahoma City, Oklahoma. Delegate. In attendance. From Oklahoma Federation Women's Clubs.

Northrup, William P., 177 Washington Street, Buffalo, New York. Member.

Norton, Arthur O., Professor of Education, Wellesley College, Wellesley, Massachusetts. Delegate-Associate Member. In attendance. From Wellesley College.

Norton, Porter, 860 Ellicott Square, Buffalo, New York. Member.

Nowak, Leon J., 801 Fillmore Avenue, Buffalo, New York. Member. In attendance.

Nowak, M. J., 834 Fillmore Avenue, Buffalo, New York. Member. In attendance.

Nowak, M. M., 757 Fillmore Avenue, Buffalo, New York. Member. In attendance.

Nutting, Miss Adelaide M., Teachers' College, New York City. Member.

Nydegger, Dr. James A., United States Public Health Service, University Club, Baltimore, Maryland. Delegate. In attendance. From United States Public Health Service and American Association of Hygiene and Public Baths.

Nye, Jane S., 132 St. James Place, Buffalo, New York. Associate Member.

Nyiri, J. de, 602 Niagara Street, Buffalo, New York. Member.

Oakman, C. H., Vice-President Board of Health, Scherer Building, Detroit, Michigan. Delegate-Member. In attendance. From City of Detroit and Mouth Hygiene Association.

Oberly, Ruth M., Teacher of School Hygiene and Physical Training, Washington, D. C. Member. In attendance.

Oberst, Margaret K., 185 Huntington Avenue, Buffalo, New York. Associate Member.

O'Brien, Dr. J. D., 162 Alabama Street, Buffalo, New York. Member.

O'Brien, E. M., 20 Kenefick Avenue, Buffalo, New York. Associate Member.

O'Brien, Margaret T., 34 South Street, Buffalo, New York. Associate Member.

O'Connor, Bessie, 230 Normal Avenue, Buffalo, New York. Associate Member.

O'Connor, Mary A., President Teachers' Educational League, 39 Bremen Street, Buffalo, New York. Delegate-Member. In attendance. From City of Buffalo.

Oelkers, Miss Evelyn, North Tonawanda, New York. Associate Member. In attendance.

O'Gorman, J. C., Medical School Examiner, 1324 Jefferson Street, Buffalo, New York. Member. In attendance.

Ognibene, J., 153 Seventh Street, Buffalo, New York. Associate Member.

O'Grady, Winifred H., Teacher Domestic Science, Burt, New York. Associate Member. In attendance.

O'Hara, William G., Tenement Inspector, 14 Remington Place, Buffalo, New York. Member. In attendance.

O'Hare, James, 604 North Main Street, Providence, Rhode Island. Member. In attendance.

O'Hare, Rose A., Chief School Nurse, 50 Orton Place, Buffalo, New York. Member. In attendance.

O'Hare, Mrs. Teresa B., 1924 East 84th Street, Cleveland, Ohio. Member. In attendance.

O'Hern, Miss Gertrude, 49 Chile Avenue, Rochester, New York. Delegate. In attendance. From Board of Health, Rochester, New York.

Ohlmer, Olga C., Teacher, 195 Parkside Avenue, Buffalo, New York. Associate Member. In attendance.

Ohlmer, Thekla T., Teacher, 195 Parkside Avenue, Buffalo, New York. Associate Member. In attendance.

Olaechea, Dr. Abel S., Calle de Camana No. 288, Lima, Peru. Member.

Olmsted, A. O., M.D., President Board of Education, Green Bay, Wisconsin. Delegate-Member. In attendance. From Board of Education.

Olmsted, John B., 183 Bryant Street, Buffalo, New York. Member.

Olsen, J. C., Professor of Analytical Chemistry, Polytechnic Institute, Brooklyn, New York. Member. In attendance.

Olszewski, Leon T., Music Teacher, 808 Fillmore Avenue, Buffalo, New York. Member. In attendance. From Polish National Alliance of United States of North America.

O'Malley, Margaret, School Principal, 35 Brantford Place, Buffalo, New York. Member. In attendance.

O'Neill, Cordelia L., School Principal, 1701 East 81st Street, Cleveland, Ohio. Delegate-Member. In attendance. From City of Cleveland.

Oregon Social Hygiene Society, 720 Selling Building, Portland, Oregon. Member.

Orth, Dr. Daniel A., 3310 Washington Boulevard, Chicago, Illinois. Member.

Orton, Dr. E., Board of Health, Pontiac, Michigan. Member.

Osgood, Robert B., Instructor Orthopedic Surgery, Harvard Medical School; Assistant Visiting Orthopedic Surgeon of the Massachusetts General Hospital, 322 Marlborough Street, Boston, Massachusetts. Delegate-Member. In attendance. From Boston Association for the Relief and Control of Tuberculosis.

Ott, Mrs. Charles, Chairman Home Economics for the State Federation of Pennsylvania Women, Waverly, New York. Delegate-Member. In attendance. From Monday Club of Sayre, State of Pennsylvania and Home Economics for the State Federation of Pennsylvania Women.

Ottelin, Aino, Svenska Frumtimmerskolan, Wiborg, Finland. Member.

Overloch, Dr. M. G., 91 Chandler Street, Worcester, Massachusetts. Associate Member.

Overton, Frank, Health Officer, Patchogue, Long Island. Delegate-Member. In attendance. From State of New York.

Overturf, T. J., 21 South Division Street, Buffalo, New York. Member.

Owen, E. B., D.D.S., Member of Board of Education, Merrill, Wisconsin. Member. In attendance.

Owen, Elizabeth, Registered Nurse, Ernest Wende Hospital, Broadway and Spring Street, Buffalo, New York. Member. In attendance.

Owen, William B., Principal The Chicago Normal School; Secretary The National Council of Education, 370 North Normal Parkway, Chicago, Illinois. Member. In attendance.

Owen, W. B., Jr., Principal City Schools, Miami, Florida. Associate Member. In attendance.

Owens, Alice, Teacher Mark Hopkins Training School, 37 Quincy Street, North Adams, Massachusetts. Associate Member. In attendance.

Owens, John, Executive Secretary State Board of Health, State House, Indianapolis, Indiana. Associate Member. In attendance.

Packard, George Henry, M.D., 72 Salem Street, Medford, Massachusetts. Member. In attendance.

Palmer, Mrs. W. G., 293 Goundry Street, North Tonawanda, New York. Delegate. In attendance. From City of North Tonawanda.

Palmerlie, E. Grace, Latin Teacher, Detroit Schools, 35 Hazelwood Avenue, Detroit, Michigan. Associate Member. In attendance.

Pankauch, Anna, 2499 East 23d Street, Cleveland, Ohio. Delegate. In attendance. From National Mouth Hygiene Association.

Paquin, C. R., M.D., 415 St. John Street, Quebec, Canada. Delegate-Member. From Board of Health of the Province of Quebec.

Parish, Florence E., 54 North Ashland Avenue, Buffalo, New York. Associate Member.

Park, Julian, Instructor University of Buffalo, 510 Delaware Avenue, Buffalo, New York. Member. In attendance.

Park, Roswell, M.D., LL.D., 510 Delaware Avenue, Buffalo, New York. Delegate-Member. In attendance. From the University of Buffalo and from City of Buffalo.

Park, Dr. William Hallock, 315 West 76th Street, New York City. Member.

Parker, Charles S., Principal of Elementary School, 3623 Broadway, Kansas City, Missouri. Delegate-Member. In attendance. From Cornell University, Ithaca, New York.

Parks, Robert M., Ph.D., Professor of Chemistry, Louisville College of Dentistry, 110 West Oak Street, Louisville, Kentucky. Member. In attendance.

Parrott, Hattie, Chairman Committee on School Hygiene from North Carolina State Primary Teachers' Association, Kingston, North Carolina. Delegate-Member. In attendance. From State Primary Teachers' Association, and State of North Carolina.

Parsons, Mrs. Rook H., 2574 Main Street, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Parvé, Dr. W. F. Unia Steyn, Medical Inspector of Schools, Deventer, Netherlands. Delegate-Member. In attendance. From Netherlands and Society of Dutch Medical Inspectors of Schools.

Pasco, Dr. James D., School Examiner, Jacksonville, Florida. Delegate-Member. In attendance. From Health Department and State of Florida.

Paton, Stewart, M.D., Director Mental Hygiene Exhibit, Princeton, New Jersey. Delegate-Member. In attendance. From National Committee for Mental Hygiene.

Patten, Dr. E. E., Van Nufs Bank Building, Van Nufs, California. Member.

Patten, Frank C., Rosenberg Library, Galveston, Texas. Member.

Patterson, Melvin Joseph, Principal Ward School, 2541 Benton Street, Kansas City, Missouri. Delegate-Member. In attendance. From Board of Education, and City of Kansas.

Paxson, Nina H., Teacher, 88 Hoyt Street, Buffalo, New York. Associate Member. In attendance.

Peabody, Reverend Endicott, Groton School, Groton, Massachusetts. Regular Member and Associate Member.

Peabody, James Edward, Head Department Biology, Morris High School, New York City. Member. In attendance.

Pearce, J. E., 2509 Wichita Street, Austin, Texas. Member.

Pearse, Dr. Herman E., 1200 Rialto Building, Kansas City, Missouri. Member.

Pelham, Kate N., Teacher, 57 Fairfield Street, Buffalo, New York. Member. In attendance.

Pendergast, Carlton C., 197 Vermont Street, Buffalo, New York. Member. In attendance.

Penfield, Sophia, M.D., 356 Main Street, Danbury, Connecticut. Delegate. In attendance. From Connecticut Federation of Women's Clubs.

Penfold, Arthur, School Principal, 332 Beard Avenue, Buffalo, New York. Member. In attendance.

Penn, W. S., Superintendent Pennsylvania Training School, Morganza, Pennsylvania. Member. In attendance.

Penna, Dr. José, Presidente del Departamento Nacional de Higiene, 25 de Mayo No. 277, Buenos Aires, Argentina. Member.

Penrose, Dr. Charles B., 1720 Spruce Street, Philadelphia, Pennsylvania. Member.

Percival, Harriett, Grade Teacher, 830 Elmwood Avenue, Buffalo, New York. Associate Member. In attendance.

Perkins, Dr. Robert G., Western Reserve Medical School, Laboratory of Hygiene, Cleveland, Ohio. Member.

Perkins Institute for the Blind, Watertown, Massachusetts. Member.

Perrow, Dr. Mosby G., Health Officer, Lynchburg, Virginia. Delegate-Member. In attendance. From City of Lynchburg.

Perry, Clarence Arthur, Department of Recreation, Russell Sage Foundation, 400 Metropolitan Tower, New York City. Delegate. In attendance. From Department of Recreation, Russell Sage Foundation.

Peters, Bessie, School Nurse, 192 Nassau Street, Princeton, New Jersey. Delegate-Member. In attendance. Board of Education of Princeton.

Peters, William H., M.D., Chief Medical Inspector and Assistant Health Officer, Board of Health, Cincinnati, Ohio. Delegate-Member. In attendance. From City of Cincinnati, and Board of Health.

Peterson, E. A., M.D., Director Division Medical Inspection and Physical Education, Cleveland, Ohio. Delegate-Member. In attendance. From City of Cleveland.

Phelan, Walter J., Principal Warren School, Charlestown, Boston, Massachusetts. Member. In attendance.

Phelps, Jessie, Teacher Hygiene, Michigan State Normal College, Ypsilanti, Michigan. Member. In attendance.

Phillips, Paul C., Professor of Hygiene and Physical Education, Amherst College, Amherst, Massachusetts. Delegate. In attendance. From American Physical Education Association.

Piatkowski, Romwald, Rector of Polish National Alliance College, Cambridge Springs, Pennsylvania. Member. In attendance.

Pierce, Elmer S., School Principal, 54 Durham Avenue, Buffalo, New York. Member. In attendance.

Pierce, James A., 141 Oxford Avenue, Buffalo, New York. Member.

Pierce, Josephine J., Communicable Disease Nurse, T. B. Division, 399 Porter Avenue, Buffalo, New York. Member. In attendance.

Pike, Dr. F. H., 437 West 59th Street, New York City. Member.

Pincott, Cora A., 180 Norwood Avenue, Buffalo, New York. Member.

Pingrey, Mrs. Cora E., Teacher of Biology in the Evander Childs High School, New York City. Member. In attendance.

Pinkham, Albert, Physical Director, Ethical Culture School, 50 West 69th Street, New York City. Delegate-Member. In attendance. From Ethical Culture School.

Pisko, Dr. Edward, 616 Madison Avenue, New York City. Delegate-Member. In attendance. From Medical Board of the Randall's Island Hospitals and Schools.

Place, Edwin H., Physician-in-Chief, Boston City Hospital, 745 Massachusetts Avenue, Boston, Massachusetts. Member. In attendance.

Plakas, Constantin Chr., Directeur de l'école communal d'Almyros, Almyros de Thessalie, Greece. Associate-Member.

Platter, H. M., Consulting Physician Public Schools, Columbus, Ohio. Delegate-Member. In attendance. From State Board of Health and Columbus Board of Education.

Pleasants, Dr. J. Hall, 806 University Parkway, Baltimore, Maryland. Member.

Plummer, Laura S., Boston Normal School, Boston, Massachusetts. Member.

Polish Medical Association of America, Dr. Edmund P. Koneczny, Secretary-Treasurer, Detroit, Michigan. Member.

Poos, E. A., M.D., Physical Director at Hughes High School, 445 Riddle Road, Cincinnati, Ohio. Member. In attendance.

Pope, Alvin E., Chief Department of Social Economy, Panama Pacific International Exposition, San Francisco, California. Delegate-Member. In attendance. From Panama Pacific International Exposition Company.

Porter, Alexander J., Niagara Falls, New York. Member.

Porter, Eugene H., M.D., State Commissioner of Health of New York, 135 West 87th Street, New York City. Delegate. In attendance. From State of New York.

Porter, Dr. George D., 162 Crescent Road, Toronto, Canada. Member.

Porter, Kate E., Assistant Principal Women Teachers' Association, 805 Auburn Avenue, Buffalo, New York. Member. In attendance.

Postal Life Insurance Company, Health Bureau, 35 Nassau Street, New York City. Member.

Pottenger, Francis M., M.D., Monrovia, California. Member.

Powell, Mrs. J. B., Teacher, 705 South 9th Street, Waco, Texas. Delegate. In attendance. From City of Waco, Texas.

Powell, W. M., 145 Franklin Street, Buffalo, New York. Associate Member.

Powers, Guy W., Townshend, Vermont. Member.

Powers, Mary, Communicable Disease Nurse, Tuberculosis Division, 903 Ellicott Street, Buffalo, New York. Member. In attendance.

Powlison, Charles F., 200 Fifth Avenue, New York City. Member. In attendance.

Pratt, E. H., A.M., M.D., LL.D., Honorary President American Association of Official Surgeons, Chicago, Illinois. Delegate-Member. In attendance. From the American Association of Official Surgeons.

Pratt, Dr. Frederick H., Professor of Physiology, University of Buffalo, 57 Tillinghast Place, Buffalo, New York. Member.

Pratt, George K., Jr., M.D., 1806 Palmer Avenue, New Orleans, Louisiana. Delegate-Member. In attendance.

Pratt, Dr. John S. B., President Board of Health of Hawaii, Post-Office Box 737, Honolulu, Hawaii. Member.

Prentiss, Lory, Physical Director, Lawrenceville School, Lawrenceville, New Jersey. Member. In attendance.

Preston, A. M., Principal High School, Attica, New York. Delegate-Member. In attendance. From Board of Education.

Preston, Lillian B., 147 Watson Street, Buffalo, New York. Associate Member.

Pretlow, Thomas J., President Board of Health, Newport News, Virginia. Member. In attendance.

Prettyman, Albert I., Physical Director Nichols School, 56 Tillinghast Place, Buffalo, New York. Member. In attendance.

Price, Kathryn M., 417 Lafayette Avenue, Buffalo, New York. Member. In attendance.

Price, Weston A., President Ohio State Dental Association, 10406 Euclid Avenue, Cleveland, Ohio. Delegate-Member. In attendance. From State of Ohio and National Dental Association.

Price, William H., Health Officer, Detroit, Michigan. Delegate-Member. In attendance. From City of Michigan.

Prime, Jessie M., 1639 Niagara Avenue, Niagara Falls, New York. Associate Member.

Prince, George G., Children's Department Superintendent of Poor, Erie County, 115 Lancaster Avenue, Buffalo, New York. Member. In attendance.

Pruneda, Dr. Alfonso, Mexico City, Mexico. Member.

Pryor, Dr. John H., 26 Linwood Avenue, Buffalo, New York. Member.

Public Health Hospital and Budget Committee of the New York Academy of Medicine, Dr. E. H. Lewinski-Corwin, Executive Secretary, 17 West 43 Street, New York City. Delegate-Member. In attendance. From Public Health Committee.

Public Health Nurse, Department of Health, Toronto. Member. In attendance.

Pullen, Dr. Herbert A., 13 Allen Street, Buffalo, New York. Member.

Puncheon, Katharine E., Secretary-Treasurer, Association Collegiate Alumnae, 5103 Pulaski Avenue, Germantown, Pennsylvania. Delegate-Member. In attendance. From Association of Collegiate Alumnae.

Purdue University Library, Lafayette, Indiana. Member.

Purinton, Mrs. C. M. Wilson, 802 Ashland Avenue, Buffalo, New York. Associate Member. In attendance.

Putnam, Dr. Charles P., 363 Marlborough Street, Boston, Massachusetts. Member.

Putnam, Helen C., Rhode Island Avenue, Providence, Rhode Island. Delegate-Member. In attendance. From American Association for Study and Prevention of Infant Mortality.

Putnam, Dr. James W., Professor of Neurology, University of Buffalo, Medical Department, 525 Delaware Avenue, Buffalo, New York. Delegate-Member. In attendance. From American Medical Association.

Putnam, Kate E., 452 Franklin Street, Buffalo, New York. Member. In attendance.

Putnam, Mrs. William Towne, Chairman, Department Public Health, Women's Municipal League of Boston, Chairman Committee of Massachusetts Milk Consumers' Association, 49 Beacon Street, Boston, Massachusetts. Member. In attendance.

Quesada, Luis Miro, Professor of University of Lima, Lima, Peru. Delegate-Member. In attendance. From Peru.

Quill, E. J., Foot of Michigan Street, Buffalo, New York. Member.

Quinoner, Alfonso M., San Salvador. Member.

Quinn, Anna E., Teacher, Bernardsville, New Jersey. Delegate-Member. In attendance. From Board of Education, Bernardsville, New Jersey.

Quintero, Professor Gregorio Torres, Mexico City, Mexico. Member.

Raab, Bertha, Teacher, 157 Mariner Street, Buffalo, New York. Member. In attendance.

Radosavljevich, Paul R., Assistant Professor of Experimental Pedagogy, New York University, Washington Square, New York City. Delegate-Member. In attendance. From New York University and Servian Society of School Hygiene.

Rafter, Mrs. J. A., 68 Payne Avenue, North Tonawanda, New York. Delegate. In attendance. From City of North Tonawanda.

Ragassi, Dott. Mario, Genova, Via Balbi 15. Italy. Member.

Ragone, John A., 241 Swan Street, Buffalo, New York. Delegate-Associate Member. In attendance. From State of New York.

Ralston, Dr. Wallace W., School Physician of the Houston Schools, Houston, Texas. Member.

Ramaley, Professor Francis, University of Colorado, Boulder, Colorado. Member.

Ramsdell, Harry T., 126 Chapin Parkway, Buffalo, New York. Member.

Rankin, Albert W., Professor of Education, University of Minnesota, Minneapolis, Minnesota. Delegate-Member. In attendance. From University of Minnesota.

Ransom, Edward A., Jr., Secretary, Society for the Prevention of Cruelty to Children, 42 Astor Place, Jersey City, New Jersey. Member. In attendance.

Rapeer, Louis W., Ph.D., Professor at New York Training School for Teachers, 416 West 122d Street, New York City. Member. In attendance.

Rasbach, Frank B., 172 Allen Street, Buffalo, New York. Member.

Rasor, Miss Alpha, Teacher, Winthrop College, Rock Hill, South Carolina. Member. In attendance.

Rast, John, 52 West Oakwood Place, Buffalo, New York. Member.

Rast, J. L., 52 West Oakwood Place, Buffalo, New York. Member.

Rath, Emil, Dean Normal College, N. A. G. U., 415 East Michigan Street, Indianapolis, Indiana. Delegate-Member. In attendance. From North American Gymnastic Union, and its Normal College.

Rath, James A., Paloma Settlement, Honolulu, Territory of Hawaii. Member.

Raub, Edgar L., Sub-Master, John A. Andrew School, 39 Bullard Street, Dorchester, Massachusetts. Member. In attendance.

Raub, Mrs. Edgar L., 39 Bullard Street, Dorchester, Massachusetts. Associate Member. In attendance.

Raub, Madeline, 897 East 176th Street, Bronx, New York. Associate Member. In attendance.

Raub, Victoria, 897 East 176th Street, Bronx, New York. Associate Member. In attendance.

Rauh, Sidney J., Chairman Oral Hygiene Committee, National Dental Association, Harrison Building, Cincinnati, Ohio. Delegate-Member. In attendance. From National Dental Association.

Ravenel, Dr. Mazyck P., Professor of Bacteriology, Director of the State Laboratory of Hygiene, University of Wisconsin, Madison, Wisconsin. Delegate-Member. In attendance. From State of Wisconsin, University of Wisconsin, and the National Association for the Study and Prevention of Tuberculosis.

Ravenhill, Miss Alice, Chrachveattle, Shawnigan Lake, Vancouver Island, Canada. Member.

Ray, Dr. Lillian E., 2418½ South Grand Avenue, Los Angeles, California. Member.

Raycroft, Joseph E., A.B., M.D., Professor of Hygiene, Princeton University, Princeton, New Jersey. Delegate-Member. In attendance. From State of New Jersey.

Raymond, Reverend A. V. V., 268 North Street, Buffalo, New York. Member.

Read, Florence M., Secretary to the President, Reed College, Portland, Oregon. Delegate. In attendance. From Pacific Federation for Sex Hygiene.

Reber, Louis E., Dean, University of Wisconsin, Extension Division, Madison, Wisconsin. Member.

Reddie, Cecil, The New School, Abbotsholme, Derbyshire, England. Member.

Redmond, Mary E., Teacher, 279 Fulton Street, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Reed, Dr. Charles E., Surgeon, Culver Military Academy, Culver, Indiana. Delegate-Member. In attendance. From Culver Military Academy.

Reed, Raymond C., Professor of Bacteriology and Hygiene, Delaware College, Newark, Delaware. Delegate-Member. In attendance. From Delaware College.

Reed, Mayor Robert H., Lackawanna, New York. Delegate. In attendance. From City of Lackawanna.

Reedy, Margaret E., Teacher, 50 Parkview Avenue, Buffalo, New York. Associate Member. In attendance.

Regan, Alfred, M.D., Health Department, 428 Eagle Street, Buffalo, New York. Member. In attendance.

Regan, R. H., 28 Glendale Place, Buffalo, New York. Associate Member.

Reif, Charles F., Director Compulsory Education, 32 Linden Park, Buffalo, New York. Delegate-Member. In attendance. From National League of Compulsory Education.

Reiffert, Miss Edith A., Manager of the New York State Training School for Girls at Hudson, New York, 64 West 88th Street, New York City. Delegate. In attendance. From New York State Training School for Girls at Hudson.

Reilly, Daniel G., Milk Inspector, Department of Health, 390 Prospect Avenue, Buffalo, New York. Member. In attendance.

Reiman, Anna, 73 North Division Street, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Reiman, John, 2 City Hall, Buffalo, New York. Member.

Reinhardt, G. F., 2434 Durant, or University of California, Berkeley, California. Member.

Reining, Ida K., Teacher, 352 Crescent Avenue, Buffalo, New York. Associate Member. In attendance.

Renner, W. Scott, 341 Linwood Avenue, Buffalo, New York. Member.

Retel, Dr. G. A., 238 Broadway, Buffalo, New York. Member.

Rettger, Leo F., 370 Edgewood Avenue, New Haven, Connecticut. Associate Member.

Rexford, Colonel W. H., Markeen Hotel, Buffalo, New York. Member.

Reynolds, Mrs. James Bronson, 151 Central Park West, New York City. Associate Member. In attendance.

Reynolds, J. B., Executive Board of American Federation of Sex Hygiene, New York City. Delegate-Member. In attendance. From State of New York.

Rhoades, John Harsen, 45 Wall Street, New York City. Member.

Rhodes, Eli A., 98 Lexington Avenue, Buffalo, New York. Member.

Rhodes, Mrs. Thomas B., Member, Board of Education, 1004 Park Road, Washington, D. C. Delegate. In attendance. From Board of Education of Washington.

Rice & Whaley, 15 Live Stock Exchange, Buffalo, New York. Member.

The William M. Rice Institute, Houston, Texas. Member.

Rich, G. Barrett, Jr., Telephone Manager, 156 Pearl Street, Buffalo, New York. Delegate. In attendance. From Boy Scouts of America.

Rich, Mrs. Josephine Arnold, Department of Commerce, League of American Pen Women, 1221 East Capitol Street, Washington, D. C. Delegate. In attendance. From League of American Pen Women and State General Federation of Women's Clubs.

Richards, Byron W., M.D., Medical Director, Public Schools, Pawtucket, Rhode Island. Delegate-Member. In attendance. From State of Rhode Island.

Richards, Reverend J. Havens, S.J., Dean and Vice-President, Canisius College, Buffalo, New York. Delegate. In attendance. From Canisius College.

Richards, R. Milton, M.D., 602 Gas Office Building, Detroit, Michigan. Member.

Richardson, Manon E., Principal, 57 Florence Avenue, Buffalo, New York. Member. In attendance.

Richmond, Charles Alexander, President Union College, Schenectady, New York. Delegate. In attendance. From Union College.

Richmond, W. Eugene, 670 Auburn Avenue, Buffalo, New York. Member.

\*Richmond, Henry A., 348 Delaware Avenue, Buffalo, New York. Member.

Riebenkam, Ida E., Lancaster, New York. Member. In attendance.

Riegel, George B., Board of Education, E. Rochester, New York. Delegate. In attendance. From Board of Education of East Rochester.

Riehmann, Harriett E., School Teacher, 33 Roehrer Avenue, Buffalo, New York. Member. In attendance.

Riester, Laurette F., Special Class, 1583 Niagara Street, Buffalo, New York. Member. In attendance.

Riggs, James G., Superintendent Training School, Oswego, New York. Delegate-Member. In attendance. From State of New York.

Riker, Mrs. Lafon, State Federation of Women's Clubs, Harrodsburg, Kentucky. Member.

Riley, William A., Cornell University, Ithaca, New York. Member.

Rincones, Pedro Rafael, Consul-General of Venezuela, 80 Wall Street, New York City. Delegate-Member. In attendance. From Venezuela.

Riordan, Raymond, Interlaken School, Rolling Prairie, Indiana. Member.

Rislay, W. S., 804 West Avenue, Buffalo, New York. Member.

Risley, Samuel D., 2018 Chestnut Street, Philadelphia, Pennsylvania. Delegate-Member. In attendance. From American Academy of Medicine, American Ophthalmological Society and the Society for the Prevention of Social Diseases.

\*Deceased.

Ritchie, John Woodside, Professor of Biology, College of William and Mary, Williamsburg, Virginia. Delegate-Member. In attendance. From State of Virginia.

Rittling, Joseph L., Sanitary Inspector, 825 Elk Street, Buffalo, New York. Member. In attendance.

Roach, Dr. Walter W., Supervisor School Medical Inspector, 2905 Columbia Avenue, Philadelphia, Pennsylvania. Delegate-Member. In attendance. From American Public Health Association.

Robert, General Henry M., Oswego, New York. Associate Member.

Roberts, Edward D., Assistant Superintendent of Schools, Cincinnati, Ohio. Delegate-Member. In attendance. From Board of Education.

Roberts, Dr. E. L., Medical Examiner, Public Schools, Jackson Building, Nashville, Tennessee. Member. In attendance.

Robertson, Dr. Carlos, Buenos Aires, Argentine. Delegate-Member. In attendance. From The Argentine National University.

Robertson, Frederic, President Board of Education, North Tonawanda, New York. Delegate. In attendance. From North Tonawanda.

Robertson, Dr. H. E., Associate Professor of Pathology, Acting Head of Department of Pathology, Public Health and Bacteriology, University of Minnesota. Minneapolis, Minnesota. Delegate-Member. In attendance. From University of Minnesota.

Robertson, John S., 137 Lancaster Avenue, Buffalo, New York. Member.

Robinson, Mrs. E. A., Health Department, Buffalo, New York. Member. In attendance.

Robinson, H. E., Principal Jefferson School, 2603 East 27th Street, Kansas City, Missouri. Delegate-Member. In attendance. From Schools of Kansas City and from Kansas City.

Robinson, Mrs. H. A., Secretary Home and School League, 847 East Market Street, Akron, Ohio. Delegate-Associate Member. In attendance. From State of Ohio and Home and School League.

Robinson, John W., Third National Bank, Buffalo, New York. Member.

Robinson, M. Margaret, Teacher of Elocution, 1 Wedderburn House, Wedderburn Road, Hampstead, London, N. W., England. Associate Member. In attendance.

Robinson, Ralph, M.D., Health Officer, Lackawanna, New York. Delegate-Associate Member. In attendance. From City of Lackawanna.

Rochester, DeLancey, M.D., 54 Ashland Avenue, Buffalo, New York. Delegate-Member. In attendance. From American Academy of Medicine.

Rochester, Margaret De Lancey, 54 Ashland Avenue, Buffalo, New York.  
Associate Member. In attendance.

Rodriguez, Dr. Sebastian B., Montevideo, Uruguay. Member.

Roe, Jesse N., Resident Physician Ernest Wende Hospital, 456 Broadway, Buffalo, New York. Member. In attendance.

Roehsler, Theresa, 134 Edna Place, Buffalo, New York. Associate Member.

Rogers, Dr. A. C., Fairbault, Minnesota. Member.

Rogers, Lina L., R.N., Superintendent School Nurses, City Hall, Toronto, Canada. Associate Member. In attendance.

Rogers, Rovillus R., Superintendent of Schools, Jamestown, New York. Delegate-Member. In attendance. From City of Jamestown, and State of New York.

Rogers, William A., 309 North Street, Buffalo, New York. Member.

Rogue, Charles, 120 Boylston Street, Boston, Massachusetts. Member.

Rojas, Dr. Valentin, Mexico City, Mexico. Member.

Rood, Mrs. R. C., 1117 Johnstone Avenue, Bartlesville, Oklahoma. Delegate-Member. In attendance. From State of Oklahoma.

Root, C. B., Director Physical Education, Northeast High School, Kansas City, Missouri. Delegate-Member. In attendance. From Kansas City.

Rosenau, M. J., Professor Preventive Medicine and Hygiene, Harvard University, Boston, Massachusetts. Delegate-Member. In attendance. From Harvard University and American Medical Association.

Ross, John T., Chief Inspector of Schools, Edmonton, Alberta, Canada. Delegate-Member. In attendance. From Department of Education.

Ross, Miss A. M., Assistant Principal School 55, 36 Bristol Street, Buffalo, New York. Member. In attendance.

Ross, Clara, School Nurse, Route 1, Box 36, East Wheeling, West Virginia. Member. In attendance.

Ross, Dr. Renwick R., 100 High Street, Buffalo, New York. Member.

Ross, W. D., State Superintendent Public Instruction, Topeka, Kansas. Delegate. In attendance. From State of Kansas.

Roth, Paul, M.D., Sanitarium, Battle Creek, Michigan. Member. In attendance.

Rothermel, John J., 1450 Girard Street, N. W., Washington, D. C. Member.

Rothmann, Alfred, Teacher, 123 Mariner Street, Buffalo, New York. Member. In attendance.

Routzahn, E. G., Department of Surveys and Exhibits, 31 Union Square, New York City. Member. In attendance.

Rowley, J. F., 353 Porter Avenue, Buffalo, New York. Member.

Royer, Dr. B. Franklin, Chief Medical Inspector, Pennsylvania State Department of Health, Harrisburg, Pennsylvania. Delegate-Member. In attendance. From State of Pennsylvania.

Royster, Miss Edith, Assistant Superintendent Public Instruction, Wake County, North Carolina; President State Primary Teachers' Association; Chairman Committee on Legislation, North Carolina Federation of Women's Clubs, Raleigh, North Carolina. Delegate-Member. In attendance. From State of North Carolina and State Primary Association.

Royster, L. T., Norfolk, Virginia. Delegate-Member. In attendance. From State of Virginia and Board of Education of Norfolk.

Ruata, Dr. Professor Guido, Professor of School Hygiene, Royal University, Bologna, Italy. Member.

Rudy, Dr. Albert S., Member Board of Education, Lima, Ohio. Delegate. In attendance. From City of Lima, Ohio.

Rummell, Luella Z., M.D., D.D.S., Medical Professor of Hygiene and Embryology, 325 Shukert Building, Kansas City, Missouri. Delegate-Member. In attendance. From Medical Department, Kansas City University, Women's Dining Club of Kansas City.

Rumsey, Mrs. Dexter P., Canadian Committee, 742 Delaware Avenue, Buffalo, New York. Member. In attendance.

Rung, Louis W., 433 High Street, Buffalo, New York. Member.

Russell, Caroline I., Teacher, 292 Normal Avenue, Buffalo, New York. Associate Member. In attendance.

Russell, N. G., M.D., 469 Franklin Street, Buffalo, New York. Member. In attendance.

Russell Sage Foundation, Leonard P. Ayres, Representative, 105 East 22d Street, New York City. Member. In attendance.

Ruszaj, Dr. Stanley E., 807 Fillmore Avenue, Buffalo, New York. Member. In attendance.

Ruszaj, Walter E., Electrical Inspector, Department Public Works, 342 Peckham Street, Buffalo, New York. Member. In attendance.

Ruszkiewicz, Frank, Publisher "Everybody's Daily," 928 Broadway, Buffalo, New York. Member. In attendance.

Ruth, Walter L., Department of Health, 86 St James Place, Buffalo, New York. Member. In attendance.

Ruttan, F. S., M.D., Medical Officer of Health, Woodstock, Ontario. Delegate-Member. In attendance. From Board of Health.

Ryan, James, 243 Terrace, Buffalo, New York. Member.

Ryan, Katherine T., School Teacher, 103 Northland Avenue, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Ryan, Mary J., Teacher, 345 Porter Avenue, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Ryerson, Mrs. Ellen G., Masten Park High School, 135 Bird Avenue, Buffalo, New York. Member. In attendance.

Saavedra, José Maria, D.D.S., Santiago, Chile. Delegate. In attendance. From Chile.

Sakaki, Yasusaburo, Dr., Ygahuhakase Igshuski, Department of Mental Disease of Kiushu, Imperial University, at Fukuoka City, Japan. Member.

Salmon, Thomas W., M.D., Director Special Studies, National Committee for Mental Hygiene; P. A. Surgeon, United States Public Health Service, 50 Union Square, New York City. Delegate-Member. In attendance. From National Committee for Mental Hygiene.

Salmon, Dr. José T., Mexico City, Mexico. Member.

Salford, Mrs. W. A., Board of Education, 16 North Avenue, Poughkeepsie, New York. Delegate-Member. In attendance. From Board of Education.

Sangster, Dr. Charles H., School Principal, Buffalo, New York. Member. In attendance.

Sanguinet, Dr. Pedro, Montevideo, Uruguay. Member.

Sanitary Commission, The Hague, Holland. Member.

Santmore, Mary M., 320 Koons Avenue, Buffalo, New York. Associate Member.

Sargent, Dudley A., M.D., Sc. D., Director Hemenway Gymnasium, Harvard University, Cambridge, Massachusetts. Delegate-Member. In attendance. From American Physical Association.

Sarrazin, Dr. J. J., 423 Godchauz Building, New Orleans, Louisiana. Member.

Sartori, Santiago, Sarandi 562, Montevideo, Uruguay. Member. In attendance. From Republica Oriental del Uruguay.

Satterfield, John M., President Buffalo Council Boy Scouts of America, 215 Main Street, Buffalo, New York. Member.

Sattler, Robert, M.D., 7th and Race Streets, Cincinnati, Ohio. Associate Member.

Saunders, Henry B., Convention Commissioner, 165 St. James Place, Buffalo, New York. Member. In attendance.

Saunders, Mrs. W. E. G., Emmetsburg, Iowa. Delegate. In attendance. From State of Iowa.

Savage, Professor C. W., Professor of Physical Training and Director of Athletics, 310 Reamer Place, Oberlin, Ohio. Associate Member.

Sayles, Frances S., 432 Bird Avenue, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Sayles, Margaret G., Teacher, The Buckingham, Buffalo, New York. Associate Member. In attendance.

Sayre, J. Frank, Vice-Principal, Princeton High School, Princeton, New Jersey. Delegate. In attendance. From Princeton High School.

Scallan, Dr. Agnes W., Professor of Hygiene, Chicago College of Osteopathy, 57 East Jackson Boulevard, Chicago, Illinois. Member. In attendance.

Schaefer, Arthur C., Assistant Health Commissioner, 753 Michigan Avenue, Buffalo, New York. Member. In attendance.

Schafer, Miss Mary D., 753 Lafayette Avenue, Buffalo, New York. Associate Member. In attendance.

Schenck, Herbert Dana, M.D., B.S., Consulting Ophthalmologist of the New York State Department of Health, 75 Halsey Street, Brooklyn, New York. Delegate-Member. In attendance. From American Association of Clinical Research.

Schereschewsky, J. W., M.D., Surgeon United States Public Health Service, Hygiene Laboratory, Washington, D. C., Delegate-Member. In attendance. From Public Health Service.

Schiaffino, Dr. Rafael, Montevideo, Uruguay. Member.

Schmid, Dr. F., Director Des Schweig Gerund, Leitsamtos, Bern 1, Switzerland. Member.

Schmidt, C. J., Board of Education, Dayton, Ohio. Member. In attendance.

Schmidt, Nathaniel, Professor in Cornell University, Ithaca, New York. Delegate. In attendance. From State of New York.

Schmitt, Dr. A. Emil, Medical Advisor Ethical Culture School, 50 Central Park West, New York City. Delegate-Member. In attendance. From National Association for the Study and Education of Exceptional Children.

Schmidt, Mrs. Hans, 553 Delaware Avenue, Buffalo, New York. Associate Member. In attendance.

Schmitt, L., Physical Instructor, Buffalo Turnverein, 38 Lemon Street, Buffalo, New York. Delegate. In attendance. From North American Gymnastic Union and its Normal College.

Schnable, Lillie, Teacher, 560 Glenwood Avenue, Buffalo, New York. Associate Member. In attendance.

Schneider, August, Secretary Department of Health, Buffalo, New York. Member. In attendance.

Schoen, John H., Optometrist, 1003 Fillmore Avenue, Buffalo, New York. Member. In attendance.

Scholz, Paul H., Business Agent, School Board, San Antonio, Texas. Delegate-Associate Member. In attendance. From School Board of San Antonio.

Schorn, Clara M., 171 Sixteenth Street, Buffalo, New York. Delegate-Member. In attendance. From City of Buffalo.

Schoenfelder, Dr., Stadtbaurat, Elberfeld, Germany. Member.

Scofield, Thomas, Manager Electric Illuminating Engineering Society, 124 East 15th Street, New York City. Delegate. In attendance. From Electric Illuminating Engineering Society.

Schreiber, Anthony, Chairman Board of Trustees, Polish National Alliance College, Cambridge Springs, Pennsylvania. Delegate-Member. In attendance. From State of New York.

Schreuder, A. T., Director of the Medical Pedagogical Institute, "Klein Warnsborn," Arnhem, Netherlands. Delegate-Member. In attendance. From Netherlands and Nederlandsch Onderwijzers-Genootschap, International Society of School Hygiene.

Schroder, Dr. C. H., Medical Inspector of Schools, 410 East 1st Street, Duluth, Minnesota. Delegate-Member. In attendance. From State of Minnesota.

Schuhr, Harry C., M.D., 1284 Jefferson Street, Buffalo, New York. Member. In attendance.

Schulbucher-Vorlag, Schwarzenbergstr. 5, Vienna, 1, Austria. Member.

Schulz, C. G., State Superintendent of Education, St. Paul, Minnesota. Delegate-Associate Member. In attendance. From State of Minnesota.

Schunke, Mrs. Antonina, Representative of "Gwizada Woluosci," 1070 Broadway, Buffalo, New York. Delegate-Member. In attendance. From the Polish Patriotic Society, Krolowa Jadwiga.

Schoyten, Dr. M. C., Brederode-Strasse 141, Antwerp, Belgium. Member.

Schweitzer, Ada E., M.D., Bacteriologist, Indiana State Board of Health, 1205 College Avenue, Indianapolis, Indiana. Delegate-Member. In attendance. From State Board of Health.

Schwenger, B. C., Associate Secretary Larkin Young Women's Christian Association, 11 Yale Street, Springfield, Massachusetts. Member. In attendance.

Schwin, Miss Louise, 87 Victoria Street, Buffalo, New York. Associate Member.

Schwin, S. L., 87 Victoria Street, Buffalo, New York. Associate Member.

Scott, A. M., Superintendent of Schools, Calgary, Alberta, Canada. Delegate-Member. In attendance. From School Board of Calgary.

Scott, E. A., Secretary American Society Heating and Ventilating Engineers, 29 West 39th Street, New York City. Member. In attendance.

Scott, Hawley F., Milk Inspector, 196 Woodlawn Avenue, Buffalo, New York. Member. In attendance.

Scott, Mrs. Miriam Ferris, Lecturer, Board of Education, 84 Grove Street, New York City. Member. In attendance.

Scientific Temperance Federation, 23 Trull Street, Boston, Massachusetts. Miss Edith Wills, Representative. Member. In attendance.

Scully, Christine M., R.N., Supervising Field Nurse, Health Department, 1703 Jackson Boulevard, Chicago, Illinois. Member. In attendance.

Seaman, Jennie E., Teacher, 123 Mariner Street, Buffalo, New York. Member. In attendance.

Searing, Mrs. Richard A., North Tonawanda, New York. Delegate. In attendance. From North Tonawanda.

Sears, B. A., D.D.S., 847 Main Street, Hartford, Connecticut. Member.

Sears, Charles B., 28 Erie Street, Buffalo, New York. Member.

Sears, Keith, M.D., Fishkill-on-Hudson, New York. Member. In attendance.

Searing, Richard A., Superintendent of Schools, North Tonawanda, New York. Delegate. In attendance. From North Tonawanda.

Sedgwick, Julius, M.D., Syndicate Building, Minneapolis, Minnesota. Member.

Sedgwick, William T., Massachusetts Institute of Technology, Boston, Massachusetts. Member.

Seibert, Katharine A., State Secretary, Ohio Florence Crittenton League, Member Sex Hygiene Committee Philanthropic Council, Columbus, Ohio. Delegate. In attendance. From The Philanthropic Council, Franklin County Suffrage Association and the Ohio Florence Crittenton League.

Seiler, Dr. J. H., Summit County Medical Society, Akron, Ohio. Delegate-Member. In attendance. From Summit County Medical Society and City of Akron. Delegate-Member. In attendance.

Seiler, Morris W., Assistant Keeper Public Bath House, No. 2, 33 Kiefer Street, Buffalo, New York. Member. In attendance.

Selter, Professor Dr. Med. Hugo, Professor of Hygiene, University of Bonn, Bonn, Germany. Delegate-Member. In attendance. From Deutscher Verein für Schulgesundheitspflege.

Sendker, Clara M., School Teacher, 126 East Utica Street, Buffalo, New York. Associate Member. In attendance.

Serrati, Dr. Chevalier Meriggio, Captain Surgeon of the Royal Navy; Commissioner of Immigration, 225 Lafayette Street, New York City. Delegate-Member. In attendance. From Italian Government.

Servian Society for School Hygiene and Popular Education, Terasije No. 2, Belgrade, Servia. Member.

Settlage, W. A., Minister of the Gospel, 35 Duerstein Avenue, Buffalo, New York. Associate Member. In attendance.

Sever, J. W., M.D., Assistant Surgeon, Children's Hospital; Surgeon House of Good Samaritan, 234 Marlboro Street, Boston, Massachusetts. Member.

Seymour, A. H., Secretary State Department of Health, Albany, New York. Delegate. In attendance. From State Department of Health.

Seymour, R. F., Physical Director Iowa State Teachers' College, Cedar Falls, Iowa. Delegate-Member. In attendance. From Iowa State Teachers' College.

Shankland, S. D., The Andrews Institute for Girls, Willoughby, Ohio. Delegate-Member. In attendance. From The Andrews Institute for Girls.

Sharp, Edward A., M.D., Health Department, 162 Allen Street, Buffalo, New York. Member. In attendance.

Sharpless, Anna E., B.S., Woodbury, New Jersey. Member.

Shaw, Miss Ada B., Superintendent Buffalo District Nursing Association, 74 West Utica Street, Buffalo, New York. Associate Member. In attendance.

Shaw, Henry L. K., M.D., Consulting Pediatrician, New York State Department of Health, Albany, New York. Delegate. In attendance. From New York State.

Shaw, Dr. J. Holbrook, 43 Court Street, Plymouth, Massachusetts. Member.

Shawan, J. A., Superintendent City Schools, 1122 Bryden Road, Columbus, Ohio. Delegate-Member. In attendance. From City Board of Education.

Shea, Agnes M., Teacher, 291 Massachusetts Avenue, Buffalo, New York. Delegate. In attendance. City of Buffalo.

Sheats, William M., State Superintendent of Public Instruction, Tallahassee, Florida. Delegate-Associate Member. In attendance. From Women's Clubs of Florida.

Shecut, Linneaus C., M.D., Orangeburg, South Carolina. Member.

Shedd, John Z., M.D., North Conway, New Hampshire. Member.

Sheehan, Margaret J., 82 Tenth Street, Buffalo, New York. Associate Member.

Shepard, A. W., 171 Bird Avenue, Buffalo, New York. Member.

Shepard, N., Assistant Principal, 116 Glenwood Avenue, Buffalo, New York. Member. In attendance.

Shepherd, John Wilkes, Head Department of Science, Chicago Normal College, Chicago, Illinois. Delegate-Member. In attendance. From City of Chicago.

Sheppard, John E., M.D., Professor of Otology, Long Island College Hospital, Brooklyn, New York. Member. In attendance.

Sherbon, Florence Brown, Victoria Sanatorium, Colfax, Iowa. Member.

Sherk, Wilfred H., 267 West Delavan Avenue, Buffalo, New York. Associate Member.

Sherman, DeWitt H., M.D., 680 West Ferry Street, Buffalo, New York. Member. In attendance.

Sherman, Florence A., M.D., Medical Supervisor of Schools, 528 State Street, Bridgeport, Connecticut. Delegate-Member. In attendance. From Board of Health of Bridgeport, Connecticut.

Sherman, G. Witherell, Lynbrook, New York. Member.

Sherman, H. C., Columbia University, New York City. Member.

Sherman, H. G., M.D., Cleveland, Ohio. Delegate-Associate Member. In attendance. From the American Ophthalmological Society, The Cleveland Chamber of Commerce, and American Association of Ophthalmology, Otology and Laryngology.

Shjels, Miss Effie H., Manager Buffalo Orphan Asylum, 151 Mariner Street, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Shipley, Dr. Alfred E., 111 Halsey Street, Brooklyn, New York. Member.

Shiverick, Asa, J. N. Adam & Company, Buffalo, New York. Member.

Short, Ella J. P., Public School Teacher, 1389 West Avenue, Buffalo, New York. Associate Member. In attendance.

Short, M. S., Corporation Counsel, Lackawanna, New York. Delegate. In attendance. From City of Lackawanna.

Shrubsall, Dr. Frank C., 34 Lime Grove, Uxbridge Road, London, West, England. Member.

Shuler, Mrs. Frank J., President New York State Federation of Women's Clubs, 59 Mariner Street, Buffalo, New York. Delegate-Member. In attendance. From State of New York, and General Federation of Women's Clubs.

Sickels, Jessie H., Assistant Open Air School, 1 Oxford Street, Rochester, New York. Delegate. In attendance. From Board of Education of Rochester.

Siegesmund, Marie A., Teacher of German, Central High School, Buffalo, New York. Associate Member. In attendance.

Sidway, Frank S., 154 Main Street, Buffalo, New York. Member.

Silver, H. J., B.A., Superintendent of Protestant Schools, 197 Peel Street, Montreal, Canada. Delegate-Member. In attendance. From Protestant Board of Education, Montreal.

Silver, Henry Mann, M.D., 11 East 43d Street, New York City. Member.

Simcox, J. P., 309 Brisbane Building, Buffalo, New York. Delegate. In attendance. From Buffalo Optometrical Society.

Simmons College, Henry Lefavour, President, Boston, Massachusetts. Member.

Simon, Mrs. Adolph, 136 East Seventh Street, Salt Lake City, Utah. Associate Member.

Simons, M. Lois, 1727 Main Street, Buffalo, New York. Member.

Simis, Sarah A., Public School Nurse, 181 West Chalmers Avenue, Youngstown, Ohio. Associate Member. In attendance.

Sippy, John J., Epidemiologist Kansas City Board of Health, Topeka, Kansas. Delegate. In attendance. From State of Kansas.

Sise, Dr. Lincoln F., 12 Main Street, Medford, Massachusetts. Member.

Sisson, Mildred H., Kindergarten Teacher, Cuba, New York. Associate Member. In attendance.

Skarstrom, Dr. William, Wellesley College, Wellesley, Massachusetts. Member.

Skeele, Annie C., Teacher of Hygiene and Physical Training, 199 Main Street, North Adams, Massachusetts. Associate Member. In attendance.

Slataper, F. J., M.D., Supervisor of Hygiene, care of High School Building, Houston, Texas. Member.

Slattery, Kate F., Teacher, 183 West Avenue, Buffalo, New York. Delegate-Member. In attendance. From City of Buffalo and the Catholic Women's Saturday Afternoon Club.

Slauson, Herbert M., Superintendent City Schools, 433 South Fifth Avenue, Ann Arbor, Michigan. Member. In attendance.

Slayton, Jennie S., 618 Auburn Avenue, Buffalo, New York. Associate Member.

Slyer, Emma A., Teacher, Buffalo, New York. Member. In attendance.

Small, Elizabeth B., 311 Hudson Street, Buffalo, New York. Member. In attendance.

Small, Mary E. L., Director Domestic Science, Buffalo Department of Education, 311 Hudson Street, Buffalo, New York. Delegate-Member. In attendance. From American Economical Association.

Small, Nellie G., School Principal, 311 Hudson Street, Buffalo, New York. Member. In attendance.

Small, W. S., Principal Eastern High School, 1330 Irving Street, N. W., Washington, D. C., Delegate-Member. In attendance. From District of Columbia.

Smart, Isabelle Thompson, M. D., Medical Examiner Mentally Defective Children, Department of Education, 101 West 80th Street, New York City. Member. In attendance.

Smeling, Frank B., Chief Sanitary Inspector, Department of Health, Buffalo, New York. Member. In attendance.

Smiley, William H., 1115 Rose Street, Denver, Colorado. Member.

Smith, Albert C., Health Department, 105 East North Street, Buffalo, New York. Member. In attendance.

Smith, Arthur W., D.D.S., Rochester, New York. Delegate. In attendance. From New York State Department of Health.

Smith, Caroline, School Principal, 1101 Elmwood Avenue, Buffalo, New York. Member. In attendance.

Smith, Miss Cora A., Teacher of Biology, High School, 947 West Eighth Street, Erie, Pennsylvania. Member. In attendance.

Smith, Ernina S., 425 Porter Avenue, Buffalo, New York. Associate Member.

Smith, Edgar B., Principal High School, Brattleboro, Vermont. Delegate-Member. In attendance. From Brattleboro Public Schools.

Smith, E. B., M.D., 31 West Hugh Street, Detroit, Michigan. Delegate-Member. In attendance. From American Association of Clinical Research.

Smith, Frances L., 5 Day's Park, Buffalo, New York. Member. In attendance.

Smith, Mrs. Frank Sullivan, The Plaza Hotel, New York City. Member.

Smith, George E., M.D., Supervisor of Extension Work, 232 Hoyt Street, Buffalo, New York. Delegate-Member. In attendance. From City of Buffalo.

Smith, Jesse Lowe, Superintendent of Schools, Highland Park, Illinois. Member. In attendance.

Smith, M. M., B.S., M.A., M.D., Physician Lecturer State Medicine and Public Hygiene, Medical College, Dallas, Texas. Delegate-Member. In attendance. From State of Texas.

Smith, Perry A., Superintendent of School Building, 18 Hawthorne Street, Dayton, Ohio. Member. In attendance.

Smith, Dr. Theobald, Harvard Medical School, Boston, Massachusetts. Member.

Smith, W. W., 83 East Avenue, Rochester, N. Y. Delegate-Member. In attendance. From National Dental Association.

Smokowska, Mrs. M., 865 Fillmore Avenue, Buffalo, New York. Member. In attendance.

Smoot, Lucy, Principal Normal School, 4011 Baltimore Street, Kansas City, Missouri. Member. In attendance.

Smyth, Sara, Teacher, 265 Mackinaw Street, Buffalo, New York. Associate Member. In attendance.

Sneath, Mrs. Samuel B., Vice-President of General Federation Women's Clubs, Tiffin, Ohio. Delegate. In attendance. From General Federation of Women's Clubs.

Snedden, David, Commissioner of Education, State of Massachusetts, 500 Ford Building, Boston, Massachusetts. Delegate-Member. In attendance. From State of Massachusetts, National Association for the Study and Education of Exceptional Children and National Education Association.

Snively, Carrie A., Teacher of Physical Training and Hygiene, City Normal School, Director Playgrounds Physical Training Public Schools, 17 White Apartment, Fort Wayne, Indiana. Delegate-Member. In attendance. From Fort Wayne Board of Health.

Snow, George B., D.D.S., 231 Kennebec Avenue, Long Beach, California. Member. In attendance.

Snow, Mrs. Glenadine, Instructor in Normal School of Physical Education, 284 Champion Street, Battle Creek, Michigan. Member. In attendance.

Snow, Elbridge G., 56 Cedar Street, New York City. Member.

Snow, Dr. William Freeman, Secretary California State Board of Health; Professor of Hygiene and Public Health, Stanford University, 2714 J Street, Sacramento, California. Delegate-Member. In attendance. From California State Board of Health and Stanford University.

Snyder, G. P., Teacher, 1883 Bailey Avenue, Buffalo, New York. Associate Member. In attendance.

Snyder, Jesa M., 1030 Elmwood Avenue, Buffalo, New York. Associate Member.

Sobel, Jacob, M.D., Borough Chief Division of Child Hygiene, Department of Health of New York City, 140 West 122d Street, New York City. Delegate-Member. In attendance. From Board of Health.

Soberin, Dr. Miguel R. (de San Luis Potosi), Mexico City, Mexico. Member.

Social Service Library, Ethel B. Ketcham, Librarian, 18 Somerset Street, Boston, Massachusetts. Member.

Sociedad Propagandista de Higiene Dental, Bogota, Colombia. Leopold Cordova G., Secretary. Member.

Society "Thugater," Secretary Miss L. M. C. Brugman, Amsterdam, Netherlands. Member.

Société des Médecin-Inspecteurs des Ecoles de Paris et de la Seine, 70 Boulevard Magenta, Paris, France. Member.

Somerville, Annie M., Teacher Masten Park High School, 779 Elmwood Avenue, Buffalo, New York. Associate Member. In attendance.

Spalding, Dr. Heman, Chief Medical Inspector, Chicago, Illinois. Member.

Speidel, Anna M., School Teacher, 148 Watson Street, Buffalo, New York. Associate Member. In attendance.

Speville, Dr. de, Syndicat Médical de Paris, 2 Square du Raule, Paris, France. Member.

Spiegler, Grace Edgar, M.D., 2115 North Twelfth Street, Philadelphia, Pennsylvania. Member.

Spier, Etta R., Teacher State Normal, Greensboro, North Carolina. Delegate-Member. In attendance. From State of North Carolina.

Spinner, Lena, Assistant Principal Lincoln School 44, 28 Hollister Street, Buffalo, New York. Member. In attendance.

Spitzmiller, Frank M., 526 Brisbane Building, Buffalo, New York. Member.

Sprague, Henry W., 45 Erie County Bank Building, Buffalo, New York. Member.

Spratt, M. C., 77 West Eagle Street, Buffalo, New York. Member.

Springstead, Elizabeth, 196 Albany Street, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Spryszynski, Stephen Michael, Optometrist, 222 Stanislaus Street, Buffalo, New York. Member. In attendance.

Squire, Daniel H., D.D.S., Dean, Dental Department, University of Buffalo, 488 Franklin Street, Buffalo, New York. Member. In attendance.

Squire, Mary V., 19 Marigold Avenue, Buffalo, New York. Member. In attendance.

Stableton, John K., Superintendent Public Schools, 777 East Locust Street, Bloomington, Illinois. Member. In attendance.

Staley, George R., Superintendent of Schools, Rome, New York. Associate Member. In attendance.

Standish, Myles, M.D., Williams Professor of Ophthalmology, Harvard, 72 St. James Avenue, Boston, Massachusetts. Member. In attendance.

Staniland, Dr. George S., 617 West Ferry Street, Buffalo, New York. Member. In attendance.

Stansbery, Dr. C. J., 416 Cobb Building, Seattle, Washington. Delegate-Member. In attendance. From Washington State Dental Society.

Stanton, Miss Laura B., 12 York Street, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Stark, Mrs. Eleanor P., Teacher, Ethical Culture School, New York City, 328 Union Street, Hackensack, New Jersey. Associate Member. In attendance.

Stark, William E., Superintendent of Schools, Hackensack, New Jersey. Delegate-Member. In attendance. From Board of Education.

Starzynski, Dr. T. A., President Polish Falcons Alliance of America, 1203 Carson Street, Pittsburgh, Pennsylvania. Delegate-Member. In attendance. From Polish Falcons Alliance of America.

State Board of Health, 318 Cobb Building, Seattle, Washington. Member.

State Normal School, Oneonta, New York, Henry Bull, Treasurer. Member.

Statler, E. M., Hotel Statler, Buffalo, New York. Member.

Stearns, T. G., M.D., Jersey City, New Jersey. Member. In attendance.

Stecher, William A., Director Physical Education Public Schools, Stock Exchange Building, Philadelphia, Pennsylvania. Delegate-Member. In attendance. From City of Philadelphia, American Physical Education Association and North American Gymnastic Union and its Normal College.

Stella, Dr. Antonio, 214 East 16th Street, New York City. Member.

Stephani, P. H., M.D., Chief Medical Officer, Mannheim, Germany. Delegate-Member. In attendance. From Vereinigung der Schulärzte Deutschlands, and Mannheim, Germany.

Stephens, Isabel M., Assistant Professor of Physical Education, University of Idaho, Moscow, Idaho. Delegate-Member. In attendance. From University of Idaho.

Sterling, E. Blanche, M.D., 2017 North Charles Street, Baltimore, Maryland. Member.

Stern, David, B.S., D.D.S., 108 Garfield Place, Cincinnati, Ohio. Member. In attendance.

Stesel, Lillian M., Financial Secretary of Teachers' Education League, 342 Breckenridge Street, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Steul, Henry C., 278 Johnson Street, Buffalo, New York. Member.

Stevens, Mrs. Justina L., Teacher of German and History, 1602 West First Street, Dayton, Ohio. Member. In attendance.

Stevenson, Albert H., D.D.S., Chairman Committee on Public Health and Education, Oral Hygiene Committee, New York State Second District Dental Society, 1202 Cortelyou Road, New York City. Member. In attendance.

Stewart, Miss Jane A., Philadelphia, Pennsylvania. Delegate. In attendance. From Women's New Century Club of Philadelphia.

Stewart, Mrs. Adele. Teacher D. S. and D. A., 1302 Third Street, New Orleans, Louisiana. Member. In attendance.

Stewart, James, M.D., Supervisor of Hygiene, Board of Education Building, St. Louis, Missouri. Delegate-Member. In attendance. From State of Missouri.

Stickney, G. H., Vice-President Electric Illuminating Engineering Society, General Electric Company, Harrison, New Jersey. Delegate. In attendance. From The Electric Illuminating Engineering Society.

Stilling, Madge S., Teacher, 183 Norwood Ave., Buffalo, New York. Member. In attendance.

Stocking, W. A., Jr., Acting Director, New York State College of Agriculture, Ithaca, New York. Member. In attendance.

Stockton, Dr. Charles G., 426 Franklin Street, Buffalo, New York. Member.

Stoddart, Thomas, 86-88 Seneca Street, Buffalo, New York. Member.

Stoecker, Louise M., M.D., Wilkes-Barre, Pennsylvania, Delegate. In attendance. Women's Christian Temperance Union.

Stone, Ellen A., M.D., 280 Waterman Street, Providence, Rhode Island. Member.

Stone, Maudie L., Teacher of Hygiene Manual Training High School, 525 Fifth Street, Brooklyn, New York. Member. In attendance.

Stone, Vernon M., Department of Education, Buffalo, New York. Associate Member.

Stoneroad, Rebecca, Director Physical Training, 2606 Garfield Street, Washington, D. C. Member. In attendance.

Storey, Thomas A., M.D., Ph.D., Professor of Hygiene, College of the City of New York, New York City. Delegate-Member. In attendance. From American Public Health Association, American Physiological Society and College of the City of New York.

Storey, Mrs. Thomas A., 660 Riverside Drive, New York City. Associate Member. In attendance.

Story, Miss Anna M., Teacher of School No. 27, 81 South Park Avenue, Buffalo, New York. Associate Member. In attendance.

Stoutemyer, J. Howard, 309 South 7th Street, Waco, Texas. Member.

Stover, Edward C., Assistant General Manager, The Trenton Potteries Company, Trenton, New Jersey. Member.

Strachan, Grace C., District Superintendent of Schools, 1115 Ocean Avenue, Brooklyn, New York. Delegate-Member. In attendance. From State of New York and Interborough Association Women Teachers.

Straubenmüller, Gustave, A. B., L.H.D., 169 West 88th Street, New York City. Delegate-Member. In attendance. From Board of Education.

Striebich, Dr. J. Albert, Moundsville, West Virginia. Member.

Striker, Frank J., 252 Dearborn Street, Buffalo, New York. Delegate. In attendance. From City of Buffalo and Buffalo School Department.

Strootman, John, Monroe and Genesee Streets, Buffalo, New York. Member.

Struthers, W. E., B.A., M.D., M.R.C.S., Chief Medical Inspector of Schools, City Hall, Toronto, Canada. Delegate-Member. In attendance. From Board of Education of Toronto.

Stuart, Dr. Bertha Sabin, Medical Examiner of Women; Professor of Physical Training, University of Oregon, Eugene, Oregon. Member. In attendance.

Stuart, J. Russell, Superintendent of Schools, 75 Alfred Street, Kingston, New York. Delegate. In attendance. From Board of Education, Kingston, New York.

Stuart School of Dress Education, Metropolitan Building, St. Louis, Missouri. Lillian Stuart, Representative. Member. In attendance.

Sturgis, R. Clipston, Chairman, Schoolhouse Commission, 120 Boylston Street, Boston, Massachusetts. Member.

Sullivan, M. Gertrude, Science Teacher, Masten Park High School, 390 Swan Street, Buffalo, New York. Associate Member. In attendance.

Sullivan, N. M., 141 Hamburg Street, Buffalo, New York. Associate Member.

Summers, Robert J., 1010 D. S. Morgan Building, Buffalo, New York. Member.

Sumney, Marion, 86 Grant Street, Buffalo, New York. Associate Member.

Sutherland, H. L., Chief Health Officer, Benert, Mississippi. Delegate-Member. In attendance. From State of Mississippi.

Sutherland, J., 366 West Delavan Avenue, Buffalo, New York. Associate Member.

Sutley, Frank K., Superintendent of Schools, Tonawanda, New York. Delegate. In attendance. From City of Tonawanda.

Sutton, Dr. Harvey, Education Department, Victoria, Australia. Member.

Swarts, Miss Clara E., School Principal, Williamsville, New York. Member. In attendance.

Swarts, Gardener T., Jr., Education Exhibition Company, 70 Waterman Street, Providence, Rhode Island. Delegate-Member. In attendance. From American Public Health Association and State of Rhode Island.

Sweatt, Robert C., Architect School Board, Spokane, Washington, Schools. Delegate-Member. In attendance. From School Board.

Sweeney, Michael F., Physical Director, The Hill School, Pottstown, Pennsylvania. Member. In attendance.

Sweet, Dr. Mary F., Resident Physician, Agnes Scott College, Decatur, Georgia. Delegate-Member. In attendance. From Agnes Scott College.

Swick, David A., 131 Edgecomb Avenue, New York City. Member. In attendance.

Sylvester, R. H., Assistant Professor of Psychology, State University of Iowa, Iowa City, Iowa. Member. In attendance.

Syrcher, Ernest V., Optometrist, 11 Genesee Street, Buffalo, New York. Delegate. In attendance. From Buffalo Optometric Society.

Talbert, Mary B., 521 Michigan Street, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Talbot, Dean Marion (Miss), University of Chicago, Chicago, Illinois. Member.

Tambling, C. F., Department of Physiology, Hygiene and Physical Education, Central State Normal, Mt. Pleasant, Michigan. Delegate-Member. In attendance. From State of Michigan.

Tarascot, Jeanne, No. 4 Villa du Bel Air, Paris, France. Associate Member. In attendance.

Tartaro, G., Medical School Examiner, 320 Front Avenue, Buffalo, New York. Member. In attendance.

Tate, William Knox, State Supervisor Rural Schools, Columbia, South Carolina. Member.

Taube, Lorahne, 35 Best Street, Buffalo, New York. Member.

Tavitian, Dr. Péra, 17 Rue Mekteb, Constantinople, Turkey. Member.

Taylor, C. D., 350 Seneca Street, Buffalo, New York. Member.

Taylor, David S., Managing Editor, "Buffalo Courier," 250 Main Street, Buffalo, New York. Delegate-Member. In attendance. From State of New York.

Taylor, Harry L., 8 Berkeley Place, Buffalo, New York. Member.

Taylor, Henry Ling, M.D., Professor of Orthopedic Surgery, Post-Graduate Hospital, 125 West 58th Street, New York City. Member. In attendance.

Taylor, Jennie M., 1518 Fillmore Avenue, Buffalo, New York. Member.

Taylor, Lawrence, Supervisor Physical Training, 2202 Glenwood Drive, Kalamazoo, Michigan. Member. In attendance.

Taylor, Dr. R. S., 1518 Fillmore Avenue, Buffalo, New York. Member.

Taylor, Sara, 614 Linwood Avenue, Buffalo, New York. Associate Member.

Taylor, T. M., 12 West 44th Street, New York City. Associate Member.

Tebbets, Anna, Principal Training School of the University of Porto Rico, Rio Piedras, Porto Rico. Associate Member. In attendance.

Tefft, Burton S., County Commissioner of Schools, Saginaw, W. S., Michigan. Delegate. In attendance. From State of Michigan.

Terman, Professor Lewis M., Leland Stanford, Jr., University, Stanford University, California. Member.

Thach, A. B., M.D., Medical Inspector of Schools, Nashville, Tennessee. Delegate-Member. In attendance. From Board of Education of Nashville.

Thomas, Reverend Brother, Principal St. Joseph's Collegiate Institute, 1238 Main Street, Buffalo, New York. Member. In attendance.

Thomas, Ida M., School Teacher, 25 Lafayette Avenue, Buffalo, New York. Associate Member. In attendance.

Thomas, Jennie J., 380 East Eagle Street, Buffalo, New York. Member. In attendance.

Thomson, Frank I., Architect and Engineer, P. O. Box 574, Raleigh, North Carolina. Associate Member.

Thompson, Clarence Smedley, 303 Fifth Avenue, New York City. Member. In attendance.

Thompson, J. Melville, D.D.S., 30 Adams Avenue, West Detroit, Michigan. Member.

Thompson, O. D., County Commissioner of Schools, Romeo, Michigan. Member. In attendance.

Thorndike, Edward Lee, Teachers' College, Columbia University, New York City. Member.

Thruston, R. C. Ballard, 710 Columbia Building, Louisville, Kentucky. Member.

Thurstone, Lois G., Domestic Science Instructor, 48 Granger Place, Buffalo, New York. Associate Member. In attendance.

Tice, A. J., Canton, Ohio. Member.

Tice, Frederick, M.D., North State Street, Chicago, Illinois. Delegate. In attendance. From State of Illinois.

Tierney, Reverend R. H., S.J., Professor of Philosophy, Woodstock, Maryland. Associate Member. In attendance.

Tifft, Robert H., 196 Linwood Avenue, Buffalo, New York. Member.

Titus, Elmina, 128 West Kennedy Street, Syracuse, New York. Associate Member.

Tobey, Miriam A., Cambridge School for Girls, and Brookline Public Schools, 19 University Road, Brookline, Massachusetts. Associate Member. In attendance.

Tobie, E. S., 14 East Mohawk Street, Buffalo, New York. Delegate-Member. In attendance. From Catholic University of America, and Washington, D. C.

Todd, John B., M.D., 7495 Beech Street, Syracuse, New York. Member. In attendance.

Todd, John L., M.D., McGill University, Montreal, Canada. Member.

Toepel, Dr. Theodore, Director of Public Education, 929 Candler Building, Atlanta, Georgia. Member.

Torija, Ing. Manuel Torres, Mexico City, Mexico. Member.

Totten, Miss H. C., 723 1st Street, East, Hutchinson, Kansas. Member.

Towne, Arthur W., Secretary, National Probation Association and Superintendent of the Brooklyn Society for the Prevention of Cruelty to Children, 105 Schermerhorn Street, Brooklyn, New York. Member.

Towne, Miss Lillian M., First Assistant Director of Practice and Training, 68 Surrey Street, Brighton, Massachusetts. Member. In attendance.

Towner, Dr. J. D., 1607 Central Bank Building, Memphis, Tennessee. Member.

Towner, William T., Architect, Secretary New York Society of Architects, 329 Fifth Avenue, New York. Member. In attendance.

Townsend, David, M.D., Jordan Memorial Sanatorium, New Brunswick, Canada. Member.

Townsend, E. Corning, Buffalo Savings Bank Building, Buffalo, New York. Member.

Townsend, Miss Vera, 1509 Sixteenth Street, Sacramento, California. Member.

Tracey, William J., M.D., Health Officer, 23 West Avenue, Norwalk, Connecticut. Member. In attendance.

Trachenberg, A. G., Roberts Avenue near Clinton Street, Buffalo, New York. Member.

Trainer, M. M., Dentist, Sibley, Iowa. Member. In attendance.

Trant, Dr. Amelia Earle, Senior Boys' Room, Instructor in Psychology, Masten Park High School, Buffalo, New York. Member. In attendance.

Tredway, Dr. T. Palmer, 810 Peach Street, Erie, Pennsylvania. Delegate-Member. In attendance. From Board of Education of Erie, Pennsylvania.

Tremaine, Morris, 115 Highland Avenue, Buffalo, New York. Member.

Tresselt, Ruth A., Teacher, 1962 Bailey Avenue, Buffalo, New York. Associate Member. In attendance.

Trettien, Augustus W., Ph.D., University of Kansas, Lawrence, Kansas. Member.

Trigger, Theodore C., Member of Elgin Dental Society and Ontario Dental Society, St. Thomas, Ontario, Canada. Member. In attendance.

Troncoso, Dr. Manuel Uribe y, Department of School Hygiene, Mexico. Member.

Trottnow, Mabel E., Teacher, 143 Northland Avenue, Buffalo, New York. Associate Member. In attendance.

Troutman, Dr. George D., Superintendent of Health, Tucson, Arizona. Member.

Trowbridge, Gordon B., Assistant Director Physical Training, 47 West Street, South Weymouth, Massachusetts. Member. In attendance.

True, Herbert F., M.D., Health Examiner, Los Angeles City Schools, 205 Consolidated Realty Building, Los Angeles, California. Delegate. In attendance. From Board of Education.

Tuberculosis Preventorium for Children, 17 West 43d Street, New York City. Member.

Tucker, Ida L., Kindergarten Principal, Hamakuapoko, Maui, Hawaii Territory. Associate Member. In attendance.

Tudeck, C. M., 30 Bennett Street, Buffalo, New York. Associate Member.

Tuholski, Dr. Morris C., Medical Inspector, Akron Public Schools, Akron, Ohio. Member. In attendance.

Tuite, John E., Rockford, Illinois. Member.

Turgeon, N. E., 1010 White Building, Buffalo, New York. Member.

Turner, Abby Howe, Professor of Physiology, Mt. Holyoke College, South Hadley, Massachusetts. Delegate-Member. In attendance. From Mt. Holyoke College.

Turner, Carrie C., Assistant Teacher, 210 West Ferry Street, Buffalo, New York. Associate Member. In attendance.

Turner, Mrs. George M., President Mothers' Club of Buffalo, 12 Clarendon Place, Buffalo, New York. Member. In attendance.

Turner, George M., Instructor in Masten Park High School, 12 Clarendon Place, Buffalo, New York. Member. In attendance.

Turton, Anna Mae, Kindergartner, 60 Buckingham Street, Bridgeport, Connecticut. Delegate-Associate Member. In attendance. From Froebel Kindergarten School.

Twardowski, Dr. K., Universtätspfessor, Lemberg, Austria. Member.

Twombly, John F., 34 Green Street, Brookline, Massachusetts. Member.

Ufford, Dr. Walter S., General Secretary, Associated Charities, Washington, D. C. Member.

Ugarte, Oscar, Director of School No. 1, Havana, Cuba. Member.

Ulmann, Dr. Marie, School Physician Staatsgymnasium, Ekaterinoslaw, Russia. Member. In attendance.

Underhill, Elizabeth C., Resident Physician, Mt. Holyoke College, South Hadley, Massachusetts. Delegate-Member. In attendance. From Mt. Holyoke College.

Underhill, Irving S., President Buffalo Association for the Relief and Control of Tuberculosis; Trustee J. N. Adam Memorial Hospital, 143 Jewett Avenue, Buffalo, New York. Member. In attendance.

Unholz, Martha M. J., Teacher at Masten Park High School, 671 Elm Street, Buffalo, New York. Associate Member. In attendance.

Universitätsbibliothek-München, München, Germany. Member.

Upton, Daniel, Principal State Normal School, Buffalo, New York. Delegate-Member. In attendance. From Boy Scouts of America.

Urban, Ida M., 268 Fargo Avenue, Buffalo, New York. Associate Member.

Urbanski, Nicholas A. J., 472 Amherst Street, Buffalo, New York. Member.

Urueña, Dr. Jesus Gonzalez, Mexico City, Mexico. Member.

Utley, C. H., 45 Hodge Avenue, Buffalo, New York. Member.

Vaillant, Edward, M.R.C.S., Député de Paris, 15 Villa du Bel Air, Paris, France. Member.

Valanti, Dr. Frank A., 571 Elmwood Avenue, Buffalo, New York. Member.

Van Arsdale, Mary M., Assistant Principal, 156 Mariner Street, Buffalo, New York. Member. In attendance.

Vander Veer, Dr. Albert, 28 Eagle Street, Albany, New York. Member.

Van de Water, Mrs. Annie S., Teacher and Supervisor Ungraded Classes, 47 Wiggins Street, Princeton, New Jersey. Associate Member. In attendance.

Van Gastle, M., 13028 Forest Hill Road, Cleveland, Ohio. Delegate. In attendance. From National Mouth Hygiene Association.

Van Hoestenberghe, V., Echevin de l'Instruction Publique, Place Malleberg 9, Bruges, Belgique. Member.

Van Ingen, Dr. Philip, 125 East 71st Street, New York City. Member.

Vannier, Mrs. C. H., 76 Harvard Place, Buffalo, New York. Associate Member. In attendance.

Van Pelt, John V., Instructor in Architecture, Columbia University, New York City. Member. In attendance.

Van Pelt, Rachel, 265 Lexington Avenue, Buffalo, New York. Associate Member. In attendance.

Van Peyma, Dr. P. W., 242 Norwood Avenue, Buffalo, New York. Member.

Van Sickle, J. H., Superintendent of Schools, Springfield, Massachusetts. Delegate. In attendance. From State of Massachusetts.

Van Syckle, Maude, Executive Secretary Detroit Society for the Study and Prevention of Tuberculosis, 513 Woodward Arcade, Detroit, Michigan. Delegate-Member. In attendance. From Detroit Society for the Study and Prevention of Tuberculosis.

Van Velsor, Harry A., 4 Fargo Avenue, Buffalo, New York. Member. In attendance.

Vargas, Dr. Andres Martines, Professor of Diseases of Children, Barcelona, Cortes 604, Spain. Member.

Vaughan, Victor C., Dean, Department Medicine and Surgery; Professor of Hygiene, University of Michigan, Ann Arbor, Michigan. Delegate-Member. In attendance. From University of Michigan.

Velazquez, Dr. Hector, Minister of Paraguay to United States of America, 2017 Massachusetts Avenue, Washington, D. C. Delegate-Member. In attendance. From Paraguay.

Verner, Arthur, Superintendent of Schools, Pontiac, Illinois. Delegate-Member. In attendance. From City of Pontiac.

Vesper, Henry, Lafayette Hotel, Buffalo, New York. Member.

Viana, Dr. Antonio S., Montevideo, Uruguay. Member.

Victoria Theatre, 288 West Ferry Street, Buffalo, New York. Member.

Vidal, Dr. Antonio, Calle Juncal 2169, Buenos Aires, Argentina. Delegate-Member. In attendance. From Argentine Republic and National Department of Health.

Vidal, Mrs. Antonio, Calle Juncal 2169, Buenos Aires, Argentina. Delegate-Associate Member. In attendance. From Argentine Republic.

Viele, Grace, Teacher, Buffalo Normal School, 104 Richmond Avenue, Buffalo, New York. Member. In attendance.

Viele, Miss Laetitia, 104 Richmond Avenue, Buffalo, New York. Associate Member. In attendance.

Viele, Mrs. Sheldon T., 104 Richmond Avenue, Buffalo, New York. Associate Member. In attendance.

Villiaume, Emma L., Teacher, 272 Woodward Avenue, Buffalo, New York. Member. In attendance.

Villiaume, M. Louise, Teacher, 272 Woodward Avenue, Buffalo, New York. Member. In attendance.

Vogt, Datton G., Minister, 59 Jackson Street, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Vogt, F. A., 69 Berkeley Place, Buffalo, New York. Member.

Volker, William, 308 West Eighth Street, Kansas City, Missouri. Member.

Vom Berge, Marie, 137 Elmwood Avenue, Buffalo, New York. Member.

Wagner, Florence M., 126 Auburn Avenue, Buffalo, New York. Associate Member.

Waite, Dr. Herbert, 2144 B Street, Lincoln, Nebraska. Member.

Wakefield, Dr. Alice E., St. Johnsbury, Vermont. Member. In attendance.

Wakeley, George W., D.D.S., 414 Main Street, Orange, New Jersey. Delegate-Member. In attendance. From National Dental Association.

Walcott, Dr. Henry J., Medical Inspector of Schools, Concord, Massachusetts. Member. In attendance.

Walcott, Dr. Henry P., Cambridge, Massachusetts. Member.

Wales, Ernest de Wolfe, Physician, Clinical Professor, University of Indiana, Indianapolis, Indiana. Member. In attendance.

Walker, Miss Clara, 472 Western Avenue, Albany, New York. Member.

Walker, J. T. Ainslie, Whitehall Building, New York City. Member.

Walker, Colonel James, Chairman Public School Board, Calgary, Alberta, Canada. Delegate-Member. In attendance. From School Board of Calgary.

Walker, Dr. M. R., President Board of Trustees, City Schools, Reno, Nevada. Member.

Walker, Smith L., M.D., Medical Health Officer, Truro, Nova Scotia. Member.

Wallace, Ellen Alfeda, M.D., President of New Hampshire Memorial Hospital for Women and Children; State Women's Christian Temperance Union, Superintendent of Hygiene, 93 Myrtle Street, Manchester, New Hampshire. Delegate-Member. In attendance. From State of New Hampshire.

Wallin, Dr. J. E. W., Director Psychological Clinic, University of Pittsburgh, Pittsburgh, Pennsylvania. Delegate-Member. In attendance. From University of Pittsburgh.

Walling, G. H., D.D.S., Machias, Maine. Member.

Walsh, Reverend Daniel, 20 Herkimer Street, Buffalo, New York. Delegate-Member. In attendance. From State of New York.

Walsh, Miss Ellen J., 82 Ryan Street, Buffalo, New York. Member.

Walsh, Frank, 931 Scarritt Building, Kansas City, Missouri. Member.

Walsh, Reverend Thomas J., 50 Franklin Street, Buffalo, New York. Member.

Walter, Jennie C., Teacher, 537 Plymouth Avenue, Buffalo, New York. Member. In attendance.

Walter, Mabel H., 57 Fairfield Street, Buffalo, New York. Associate Member.

Walters, Francis M., A.M., Professor Physiology and Hygiene, State Normal School, Warrensburg, Missouri. Delegate-Member. In attendance. From State of Missouri.

Walz, Frank G., Medical School Examiner, 159 Howard Street, Buffalo, New York. Member. In attendance.

Ward, Mrs. William S., 112 Bird Avenue, Buffalo, New York. Delegate. In attendance. From State of New York and City of Buffalo.

Warden, Randall D., B.S., Director of Physical Training and of Public School Play Grounds, City Hall, Newark, New Jersey. Delegate-Member. In attendance. From Board of Education and Public School Play Ground.

Wardwell, Mary M., Teacher, 505 Ashland Avenue, Buffalo, New York. Member. In attendance.

Warnhoff, D., 183 Keystone Street, Buffalo, New York. Associate Member. In attendance.

Warren, Edward S., 20 Lincoln Parkway, Buffalo, New York. Associate Member. In attendance.

Warren, Mrs. Edward S., 20 Lincoln Parkway, Buffalo, New York. Associate Member. In attendance.

Warren, Professor Howard C., Princeton University, Princeton, New Jersey. Member.

Warriner, E. C., Superintendent of Schools, Saginaw, Michigan. Associate Member. In attendance.

Watkins, Albert H., Naples, New York. Associate Member. In attendance.

Watkins, Richard Henry, Superintendent of City Schools, Laurel, Mississippi. Delegate-Member. In attendance. From State of Mississippi and Laurel City Schools.

Watson, Adaline M., Physician, Instructor in Hygiene in Margaret Morris Carnegie School, Highland Building, Pittsburgh, Pennsylvania. Member. In attendance.

Way, Dr. Henry J., Medical Inspector of Schools, 3501 Jackson Boulevard, Chicago, Illinois. Delegate-Member. In attendance. From State of Illinois.

Wayson, Dr. James T., 445 Bertana Avenue, Honolulu, Hawaii. Member.

Weaver, Dr. D. W., County Health Commissioner, Greensburg, Indiana. Delegate-Member. In attendance. From Decatur County Board of Health.

Webb, Eva, Teacher, 912 Lafayette Avenue, Buffalo, New York. Associate Member. In attendance.

Webber, George Harris, A.M., Superintendent of City Schools, Summerville, South Carolina. Delegate-Member. In attendance. From State Department of Education.

Webster, Charles S., Inspector of Plumbing, Department of Health, 175 Congress Street, Buffalo, New York. Member. In attendance.

Webster, Edwin S., Lawyer, 406 Brisbane Building, Buffalo, New York. Associate Member.

Weeks, Ethel G., Teacher, 923 Humboldt Parkway, Buffalo, New York. Member. In attendance.

Weet, H. S., 53 Hancock Street, Rochester, New York. Delegate-Member. In attendance. From Board of Education of Rochester.

Weichardt, Dr. W., Erlangen, Germany. Member.

Weiczkrek, John, Health Department, 90 Loepere Street, Buffalo, New York. Member. In attendance.

Weiffenbach, Charles, 286 May Street, Buffalo, New York. Associate Member.

Weigel, Rose L., 811 Best Street, Buffalo, New York. Associate Member.

Weigs, Dr. C. F., 3532 Lowell Avenue, Chicago, Illinois. Member.

Weir, Mrs. E. M., Teacher, 2 Marble Hill Avenue, New York City. Member. In attendance.

Weis, Helen, 543 Riley Street, Buffalo, New York. Associate Member.

Weiss, Elizabeth E., Assistant Teacher, 247 Parkside Avenue, Buffalo, New York.

Weiss, Dr. M., Professor of the National University, Havana, Cuba. Delegate-Member. In attendance. From Cuba and Havana, Cuba.

Welch, Dr. H. E., Health Officer and Supervisor of Medical Inspection, Youngstown, Ohio. Member. In attendance.

Welch, Dr. William H., LL.D., 807 St. Paul Street, Baltimore, Maryland. Member.

Welcher, Manfred P., Field Secretary, Anti-Cigarette League of America, 310 Clermont Avenue, Brooklyn, New York. Delegate. In attendance. From Anti-Cigarette League of America.

Welker, W. A., School Principal, 360 Beard Avenue, Buffalo, New York. Member. In attendance.

Wellman, Florence M., Supervisor of Graded Schools, Brattleboro, Vermont. Delegate-Member. In attendance. From Board of Education.

Wellsted, T. C., Assistant Secretary Cleveland Chamber of Commerce, Cleveland, Ohio. Member. In attendance.

Welsh, Edward T., Public School Instructor, Buffalo, New York. Member. In attendance.

Wende, Miss Flavilla, 103 Lancaster Avenue, Buffalo, New York. Member.

Wende, Grover W., M.D., Professor Dermatology, University of Buffalo, New York. Delegate-Member. In attendance. From America Dermatological Association.

Werner, Percy, Rialto Building, St. Louis, Missouri. Member.

Wertimer, Mrs. Henry, President Women's Educational and Industrial Union, 140 Highland Avenue, Buffalo, New York. Member. In attendance.

Wessels, Lewis C., M.D., Ophthalmologist, Bureau of Health, City Hall, Philadelphia, Pennsylvania. Member. In attendance.

Westbrook, F. F., University of British Columbia, Vancouver, British Columbia, Canada. Member.

Westervelt, B. F., LL.D., Superintendent Rochester School for the Deaf; Secretary American Association to Promote Teaching Speech to the Deaf, 1545 Saint Paul Street, Rochester, New York. Delegate-Member. In attendance. From American Association to Promote the Teaching of Speech to the Deaf.

Wetmore, Katharine S., Girls' Advisor, Biology Department, West High School, Rochester, New York. Member. In attendance.

Wetter, Emma, School Teacher, 184 Best Street, Buffalo, New York. Associate Member. In attendance.

Whalen, Alice J., 700 South Division Street, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Whalen, Dr. P. H., Medical School Examiner, 188 Woodlawn Avenue, Buffalo, New York. Member. In attendance.

Wheeler, Charles B., 305 Elmwood Avenue, Buffalo, New York. Member.

Wheeler, Herbert L., 560 Fifth Avenue, New York City. Delegate-Member. In attendance. From National Dental Association.

Whipple, Guy Montrose, Assistant Professor of Educational Psychology, Cornell University, Ithaca, New York. Delegate-Member. In attendance. From Cornell University.

Whitbeck, John F. W., M.D., 781 Park Avenue, Rochester, New York. Member. In attendance.

White, Alvan N., State Superintendent of Public Instruction, Santa Fe, New Mexico. Member.

White, Frank W., M.D., Professor of Physiology and Hygiene, 805 Walnut Street, Emporia, Kansas. Delegate-Member. In attendance. From State of Kansas.

White, Grace F., Teacher, 294 Prospect Avenue, Buffalo, New York. Associate Member. In attendance.

White, S. Parker, M.D., Teacher Hygiene, Evening High School, Columbia University, New York. Associate Member. In attendance.

White, W. A., D.D.S., Consultant and Lecturer on Oral Hygiene, State Board of Health, Phelps, New York. Delegate-Member. In attendance. From State of New York and National Dental Association.

White, William H., Chief Inspector of Plumbing and Drainage, 158 Arkansas Street, Buffalo, New York. Member. In attendance.

White-Thomas, Dr. Cornelia, Medical Inspector Health Department, 470 Lyell Avenue, Rochester, New York. Delegate. In attendance. From Board of Health of Rochester.

Whitford, A. H., Young Men's Christian Association, Buffalo, New York. Member.

Whiton, Lydia A., The Meadville City Hospital, Meadville, Pennsylvania. Member. In attendance,

Whittier, Frank N., M.D., 161 Maine Street, Brunswick, Maine. Delegate-Member. In attendance. From State of Maine.

Wickser, John G., Buffalo German Insurance Company, Buffalo, New York. Member.

Wicksham, C. A., Binghamton, New York. Associate Member.

Wiener, Miss Cecil B., General Manager of Federated Jewish Charities, 174 West Chippewa Street, Buffalo, New York. Member. In attendance.

Wiggam, A. E., North Vernon, Indiana. Member.

Wiggins, Alta J., Director Physical Training, Public Schools, 28 Norwood Avenue, Buffalo, New York. Member.

Wilbur, Miss Flora, Principal Fort Wayne Normal School, Fort Wayne, Indiana. Member.

Wilcox, Ansley, President of Charity Organization Society, 684 Ellicott Square, Buffalo, New York. Member.

Wilcox, DeWitt Gilbert, 419 Boylston Street, Boston, Massachusetts. Member. In attendance.

Wilcox, Mabel, 1141 Delaware Avenue, Buffalo, New York. Associate Member. In attendance.

Wilcox, M. Russell, M.D., Assistant Professor of Physiology, University of Minnesota, Minneapolis, Minnesota. Member. In attendance.

Wile, Ira S., Member Board of Education; American Home Economics Association; National Association for the Study and Education of Exceptional Children, 230 West 97th Street, New York City. Delegate-Member. In attendance. From Board of Education.

Wiley, Clara S., School Teacher, 2313 Seneca Street, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Wiley, Dr. Harvey W., Washington, D. C. Member.

Wilford, Melle, Physical Examiner, 224 East Seventh Street, Elgin, Ohio. Delegate-Member. In attendance. From Board of Education.

Wilkinson, E. Alice, Teacher City Training School, 104 Northland Avenue, Buffalo, New York. Associate Member. In attendance.

Wilkinson, William W., M.D., 144 North Second Avenue, Phoenix, Arizona. Associate Member.

Willard, Frederick B., M.D., Inspector Health Department, 334 Potomac Avenue, Buffalo, New York. Member. In attendance.

Willcox, Walter F., Goldwin Smith Hall, Ithaca, New York. Member.

Willcox, William G., 3 South William Street, New York City. Member.

Willert, Charles L., 503 Broadway, New York. Member.

Williams, Anna W., Assistant Director New York City Health Department, Foot of East 16th Street, New York City. Member. In attendance.

Williams, Ellis D., 560 Drexel Building, Philadelphia, Pennsylvania. Member.

Williams, Dr. E. G., State Health Commissioner, Richmond, Virginia. Member.

Williams, Mrs. Frank F., 54 Irving Place, Buffalo, New York. Associate Member. In attendance.

Williams, Linsky R., 882 Park Avenue, New York City. Member.

Williamson, Lettie I., Teacher, 277 Crescent Avenue, Buffalo, New York. Associate Member. In attendance.

Willis, Josiah W., School Principal, 294 Lexington Avenue, Buffalo, New York. Associate Member. In attendance.

Willson, Dr. Robert N., Secretary American Federation for Sex Hygiene, 1827 Spruce Street, Philadelphia, Pennsylvania. Delegate-Member. In attendance. From Pennsylvania Society for the Prevention of Social Disease.

Wilmer, Dr. William H., 1610 First Street, N. W., Washington, D. C. Member.

Wilson, Andrew, M.D., Wheeling, West Virginia. Delegate-Member. In attendance. From State of West Virginia.

Wilson, B. F., Superintendent of City Schools, Oakley, Idaho. Member.

Wilson, H. A., Professor Orthopedic Surgery Jefferson Medical College, 1611 Spruce Street, Philadelphia, Pennsylvania. Member.

Wilson, Dr. Margaret B., Normal College, 72 East 77th Street, New York City. Member.

Windel, H. C., M.A., M.D., Williston, North Dakota. Member.

Wing, F. H., 311 Woodward Avenue, Buffalo, New York. Member.

Winslow, Harold, Member New Bedford Board of Health, City Hall, New Bedford, Massachusetts. Delegate. In attendance. From Board of Health.

Winslow, C. E. A., Curator of Public Health, American Museum of Natural History, New York City. Delegate-Member. In attendance. From Efficiency Society of New York; Museum of Natural History; College of the City of New York; American Public Health Association; Association for the Prevention of Infant Mortality.

Winters, Mrs. E., 179 Norwood Avenue, Buffalo, New York. Associate Member. In attendance.

Wisdom, W. E., De Queen, Arkansas. Associate Member. In attendance.

Wittmer, Dr. Lightner, University of Pennsylvania, Philadelphia, Pennsylvania. Member.

Wolfenstein, Samuel, Ph.D., Superintendent Jewish Orphan Asylum, 5000 Woodland Avenue, Cleveland, Ohio. Member. In attendance.

Woll, Frederic A., B.S., A.M., Instructor Department Hygiene, College of the City of New York. Delegate-Member. In attendance. From American Optical Association, Scientific Section.

Woll, Frederic, 1013 Home Street, New York City. Associate Member. In attendance.

Woll, William, 1013 Home Street, New York City. Associate Member. In attendance.

Women's Club of Jacksonville, 18 East Duval Street, Jacksonville, Florida. Member.

Wood, Alfred V., President of the Board of Health, 1777 Gloucester Street, Brunswick, Georgia. Member.

Wood, Edgar, Principal Normal School Territory of Hawaii; Teachers' College, New York City. Delegate-Member. In attendance. From Territory of Hawaii.

Wood, Harold B., M.D., D.P.H., Slocum, Rhode Island. Member. In attendance.

Wood, Mary, Chairman Public Science Committee, New York State Federation of Women's Clubs, 610 West 116th Street, New York City. Delegate-Associate Member. In attendance. From State Federation of Women's Clubs, and New York City Federation of Women's Clubs.

Wood, Reverend Percival M., Rector St. Barnabas' Church; Member Berlin Board of Trade, 214 School Street, Berlin, New Hampshire. Delegate-Member. In attendance. From Berlin Board of Trade, and Women's Club of Berlin.

Wood, Phyllis S., 15 The Mathewson, South Elmwood Avenue, Buffalo, New York. Member. In attendance.

Wood, Dr. Thomas D., Columbia University, New York City. Member.

Woodard, H. M., Treasurer Hudson Ozone Machine Company, 120 Liberty Street, New York City., Member. In attendance.

Woodcock, Louisa A., Teacher, 496 West Ferry Street, Buffalo, New York. Member. In attendance.

Woodruff, I. Ogden, M.D., Physician to Outdoor Classes, Board of Education, New York City. Member. In attendance.

Woodruff, Dr. Thomas A., 7 West Madison Street, Chicago, Illinois. Member. In attendance.

Woodruff, W. Stuart, M.D., Medical Inspector, 133 Park Avenue, Mt. Vernon, New York. Delegate-Member. In attendance. From Board of Health.

Woods, Professor Erville B., Ph.D., Dartmouth College, Hanover, New Hampshire. Member.

Wooldridge, Charles L., Superintendent School Buildings, Pittsburgh, Pennsylvania. Delegate-Member. In attendance. From Board of Education of Pittsburgh.

Wright, C. L., 385 Washington Street, Buffalo, New York. Member.

Wright, Frank W., Health Officer; City Hall, New Haven, Connecticut. Delegate-Member. In attendance. From City of New Haven.

Wright, Georgia E., Williamsville, New York. Member. In attendance.

Wright, Jasper H., Instructor in Biology, Mechanics' Institute, Rochester, New York. Delegate-Member. In attendance. From Mechanics' Institute.

Wright, John W., M.D., Health Officer, Erie, Pennsylvania. Member. In attendance.

Wright, Lily Delamere, Teacher, Defective Class, Lodi, New Jersey, 57 Paulison Avenue, Passaic, New Jersey. Member. In attendance.

Wright, Lucy, Massachusetts Commissioner for the Blind, 3 Park Street, Boston, Massachusetts. Member.

Wright, Nelson, 57 Paulison Avenue, Passaic, New Jersey, Associate Member. In attendance.

Wu Lien-teh, M.D. (Cambridge), Medical Officer to the Foreign Office, Peking; Director and Chief Medical Officer, Manchurian Plague Prevention Service, Customs Building, Harbin, China. Delegate-Member. In attendance. From China, including Manchurian Provinces.

Wymer, Joseph J., M.D., Assistant Medical Director, 3429 Canal Street, New Orleans, Louisiana. Delegate-Member. In attendance. From City of New Orleans.

Ybantz, Teresa, Laboratory Worker, 115 East 82d Street, New York City. Associate Member. In attendance.

Yeager, Dr. Van Glenn, Haywood Training School, Haywood, Wisconsin. Member.

Yeardsley, Dr. Macleod, 59 Queen Anne Street, Cavendish Square, London, W., England. Member.

Young, A. A., M.D., Health Officer, Newark, New York. Member. In attendance.

Young, Annie G., Teacher, 6614 Premo Street, Pittsburgh, Pennsylvania. Delegate-Member. In attendance. From Pittsburgh Teachers' Association.

Young, A. G., Secretary State Board of Health, Augusta, Maine. Delegate-Member. In attendance. From State Board of Health.

Young, Dr. Ella Flagg, Superintendent of Schools, Tribune Building, Chicago, Illinois. Delegate-Member. In attendance. From National League of Compulsory Education; Board of Education of Chicago, and State of Illinois.

Young, Miss Evaline, 2046 North Park Avenue, Philadelphia, Pennsylvania. Member.

Young, E. M., 166 Miami Street, Buffalo, New York. Associate Member.

Young, Dr. F. B. Springfield, Arkansas. Member.

Young Folks (Public) Library, care of Thomas T. Woodruff, La Junta, Colorado. Member.

Young, Dr. George B., Health Commissioner, Chicago, Illinois. Member.

Young, Dr. Josephine E., University of Chicago, Chicago, Illinois. Member. In attendance.

Young, Mrs. Mary E., 931 South Tenth Street, Kansas City, Kansas. Member.

Young, Peter, 72 North Parade Avenue, Buffalo, New York. Delegate. In attendance. From City of Buffalo.

Young-High, Mrs. Caroline, M.D., High School Teacher, 814 Suburban Place, New York City. Member. In attendance.

Younger, Mrs. John, 27 Horton Place, Buffalo, New York. Member. In attendance.

Ypsilanti Anti-Tuberculosis Society, Ypsilanti, Michigan, Mrs. W. P. Bowen, Representative. Member. In attendance. Two memberships.

Zapf, Charles G., Milk Inspector, Health Department, 439 Riley Street, Buffalo, New York. Member. In attendance.

Zaremba, Clara, Secretary and Treasurer of Zaremba Company, 341 Richmond Avenue, Buffalo, New York. Associate Member. In attendance.

Zawadzki, W. H., 798 Fillmore Avenue, Buffalo, New York. Member. In attendance.

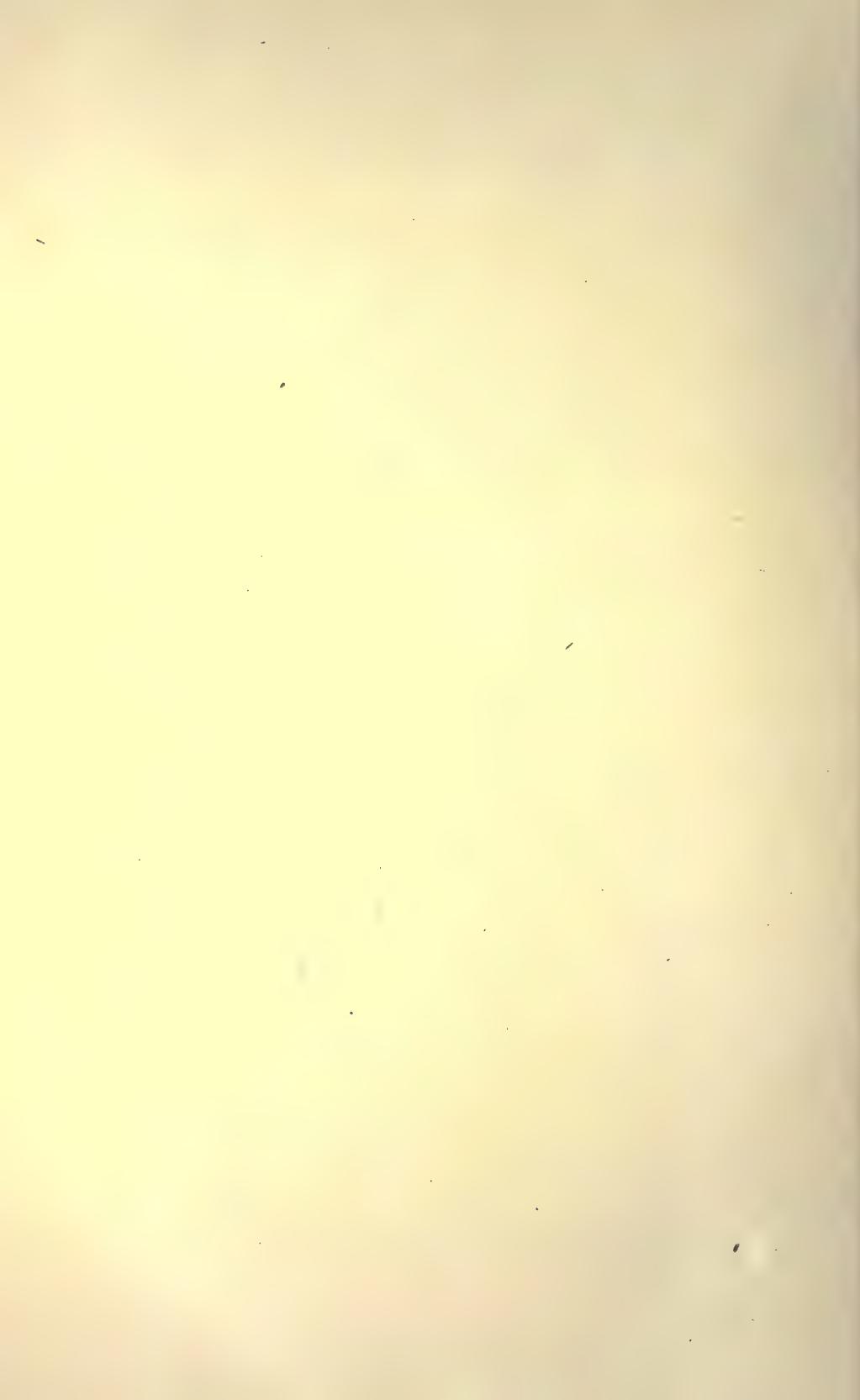
Zesinger, Frank O., Steward Girard College, Philadelphia, Pennsylvania. Member. In attendance.

Ziegler, Carl, M.D., B.S.G., Supervisor of Physical Training and Hygiene, Cincinnati, Ohio. Member. In attendance.

Zillig, Andrew M., Laboratory Assistant, 436 Elm Street, Buffalo, New York. Member. In attendance.

Zurawski, Dr. K. A., 32 North State Street, Chicago, Illinois. Delegate-Member. In attendance. From Polish Medical Society of Chicago.

Zurbrick, Warren W., School Principal, Carlton and Peach Streets, Buffalo, New York. Delegate-Member. In attendance. From Boy Scouts of America.



## **GENERAL MEETINGS**





NETHERLANDS,  
PARAGUAY,  
PERU,  
SANTO DOMINGO,  
SPAIN,  
SWEDEN,  
VENEZUELA,

Dr. W. F. Unia Steyn Parvé,  
Hector Velazquez,  
Francisco Graña,  
F. Deetjen,  
Count de San-Esteban de Cañongo,  
Dr. F. Bager-Sjögren,  
Pedro Raphael Rincónes.

**Address of the Chairman of the Buffalo Citizens' Committee  
Dr. Roswell Park**

To no convention of the friends of progress has Buffalo ever looked forward more eagerly, and to no gathering of any character has Buffalo ever extended a more sincere or a more sympathetic welcome, than does our city—and in fact our country—now extend to you who compose this Fourth International Congress on School Hygiene. Of this welcome you shall see and hear many evidences, but at this instant it becomes my delightful and official duty, as Chairman of our Citizens' Committee to give you the first verbal and public expression.

Of your intense and abiding interest in its objects and purposes those who have journeyed hundreds of miles over our own territory have given ample evidence. But those who have crossed the oceans which confine us within a breadth of three thousand miles, who have taken the time required, and incurred the expense, in order thus to signalize the mutuality of these interests, and the universality of these purposes, have thereby stamped them with a world-wide importance commensurate only with that of universal peace.

The physical welfare of the child is coequal in its comprehensive humanity with his mental and moral health.

"A sound mind in a sound body" has been the war cry of the champions of humanity ever since humanity attained the dignity of a befitting name. The hygiene of the school and of the school house is but the hygiene of what should be the children's home for several hours each school day, and we may well believe that the child who is brought up to realize what that really means will not be willing—when he becomes a man—to live in a home or after a fashion which he has learned to be unwholesome.

The babe of yesterday is the child of to-day, and the children of to-day are the men and women of to-morrow and, presumably, the citizens of the coming generation. Some one, some biologist I fancy, once said, "The child is but the tadpole of the Archangel."

With the inevitable evolution of the physical world the infant develops into the man by a process analogous to that which produces the rose, the Victoria lily, or the great redwood, from the tiny seed. The human form, credited by man with being fashioned in the image of the Almighty, passes through a series of metamorphoses not dissimilar to those by which the tadpole becomes a vertebrate. And, as biologists so well know, these metamorphoses may be wonderfully disturbed or influenced by environment and by heredity, in the case not alone of the lowly batrachian, but on upward through the ascending scale, till even in our own race we appreciate now, and of late more than ever, that these two influences, *heredity* and *environment*, are those which essentially regulate and control all growth. And thus it happens that these two factors reign supreme in determining what our children shall be and how they shall mature.

It is to this material, this physical side of the problem, that, as I apprehend it, your deliberations are to be directed. Toward this end the energies of all intelligent parents must be enlisted; to effect it the help of every good man and good woman must be secured.

"If your work is made more easy  
By a friendly helping hand,  
Say so, speak out brave and truly  
Ere the darkness veil the land.  
Should a brother workman dear  
Falter for a word of cheer?"

And when, as the next few years to come shall the better demonstrate, because of this and similar meetings, and when the propaganda of *mens sana in corpore sano* shall have brought about the incorporation of this campaign cry into every public and private school enterprise—then shall we see the realization of Shelley's dream:

"And the Spring rose fair on the garden fair,  
Like the Spirit of Love felt everywhere;  
And each flower and herb on earth's dark breast  
Rose from the dreams of its wintry rest."

That your deliberations may aid greatly in the realization of your efforts, the culmination of your endeavors and the fruition of our common hopes, is the devout wish alike of those who today congregate here and of those who join me in extending you a most sincere and hearty welcome.

**Address of Secretary Wilson**

*Mr. President, Ladies, Gentlemen, Delegates of the Fourth International Congress on School Hygiene:*

The great pressure of business at Washington has made it impossible for the President of the United States or the Secretary of State to be present here to-day to welcome you. I have the distinguished honor of being delegated by them to come here and to say in the name of the President and of the Secretary of State and of the Congress of our country that you are welcome, thoroughly and sincerely welcome to the United States of America.

Job spoke of a time when the old men had dreams and the young men had visions. Those who engage in the work of human uplift are frequently looked upon as dreamers, but the dreamers of to-day are the practical men of to-morrow. The dreamers of to-day are the men who move fortune and progress. You have your dreams, and out of those dreams will come a more perfect manhood and womanhood for future generations.

School hygiene is one of the great problems of mankind. Not only the problem of the sanitary conditions of the school room itself, that is but one of the minor problems in connection with the subject, but the greater problem that grows out of human association, that grows out of collective education, the problem of instilling into the receptive mind of the child the thoughts, the ideas that will live with it to the end that are necessary to cause the child—the man and woman that grows out of the child—to be able to take care of itself. Mankind is a gregarious animal; we love association. Out of that disposition have grown our great communities, our immense cities, and in the early years of men the proper sanitation of cities was an immense problem for us to solve, and those who undertook the solution of it were looked upon as dreamers. Before they began their work it was nothing unusual for plague after plague to visit our cities and to wipe them almost entirely out of existence. Men began to realize that the coming together of men and women and children in large numbers brought problems relative to their health, their physical and their mental welfare that required the most careful study, the most energetic action to solve. To a very great extent we have solved the problem of sanitation in our cities. There is yet a great deal to be done in that direction, but the fundamental principles of sanitation are very generally known. Our school rooms, whether public or private, are little cities in themselves; they are cities composed of those who have not yet reached mature judgment, who have not yet had sufficient years in life to become familiar with the principles underlying proper hygiene. They must be taught those principles, and before you

can begin to teach the children in our school rooms proper principles of hygiene, it is necessary that you should begin with those who have reached maturity, those who have in their own hands the direction of affairs, and impress upon them the necessity of proper hygienic conditions in our schools and proper hygienic training for our school children. These are some of the problems that you as a Congress have to deal with. I trust that your deliberations will be conducive of the promotion of these principles, to the end that mankind may go on, may go forward, may go upward until we have reached that condition which mankind are intended to occupy, where we are little less than the angels. It is a far reach from our present condition, but it is a condition that we ought to strive for.

Again in the name of the President, the Secretary of State, the Congress of the United States and the People of the United States, I welcome you to this Congress.

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#### Address of President Finley

I think it will be proper to tell you, first of all, that I represent, *de facto*, the institution which has given the Secretary-General, Dr. Storey, to this Congress, and has furnished him with the shelter, heat, cold, light and sympathy, in short, "a hygienic environment," for his labors in preparation for this international meeting. There has not been a day or night for weeks and months, when I've been on the campus, that I have not heard his typewriters clicking or seen the lights shining in effective prophecy of this week. I cannot refrain from saying this word which no one else here except his devoted and sacrificing associates can say from as full knowledge as I. My own personal contribution is that I have tried to keep Dr. Storey in physical condition for this great task by obliging him to play hand-ball with me daily or as often as possible.

But I have, though without other commission than the invitation from the officers of the Congress, the proud privilege of representing a State—a Commonwealth which has the City of Buffalo within its borders; and that is its foremost pride this morning, for without the spirit of such a city in co-operation, without its attractive and generous hospitality, the efforts of even President Eliot and Dr. Storey and their associates would have been futile. I once said, seeing this beautiful city and experiencing its hospitality, that fond as I was of New York I almost wished I might have an opportunity to earn my livelihood in such an environment as this. And now this fortune has come unsought; I have in prospect an official life in which Buffalo will be one, at least, of my itinerant domiciles. I am still officially in what my Greek grammar defined as the second

periphrastic, the "about-to-be" mood or tense, but even in this stage of the conjugation I am able to enjoy the prospect which brings Buffalo within my personal horizon.

I read, a few years ago, a statement of a high authority that the relative cost per month of a certain unit of power, was \$184.91 in Buffalo and \$144.17 in Niagara Falls, as compared with \$937.50 in Boston, \$839.35 in Philadelphia, \$699.37 in New York, \$629.43 in Chicago, \$559.50 in Cleveland, and \$419.62 in Pittsburgh. This economic advantage is obviously due to the utilization of a natural power that for millions of years was gone to waste, an advantage that is heightened when it is remembered that coal is at the same time being conserved for future generations.

What Buffalo is beginning to do in this Congress is to take the lead in American cities in considering the utilization and conservation of that other greatest factor in earth life, human power, to prevent it from running to waste, to turn it to the highest social use and at the same time to conserve the great vital, physical force which civilization seems to be menacing in great urban centers by its excessive demands.

Think what an advantage Buffalo would have if it were able to show to other cities of the world that by taking intelligent advantage of the natural hygienic laws, the cost of producing a human unit of power over a given period would be as \$184.91 to \$937.50, that by taking thought men's stature can be measured or life lengthened. Think of the economic benefit. But think of the benefit in terms of human happiness!

And this benefit, it is demonstrable, is to come about not by spending less on machinery and supervision, but by increasing the cost of the agencies for directing these natural forces.

I look upon this as a great conservation congress, in which the children in our schools are the objects of conservation instead of trees, and ore and coal, and oil and gas. And it is supremely fitting and fortunate that it should sit under the presidency of him who is first in education, first in conservation and the highest embodiment of those qualities which we wish to develop and conserve in American life.

When Chateaubriand visited in his own person, or in his imagination, the Mohawk Valley through which many of us have passed to reach this Congress, he found there, as I remember, a tribe of Indians who called themselves "the men of always." A hundred years had not passed before they had disappeared entirely, exterminated by contagious diseases, internecine wars, exposure and economic exploitation. In their stead have come from the ends of the earth into this same valley men and women who have begun to think of something beyond their immediate good or that of their own living children, or their own personal

immortality. They have begun to think "unto the third and fourth, and twentieth generations"—unto the immortality of the thought of yesterday and deed of to-day.

I address you, therefore, as the real "men of always" come to help develop here in this great State such a race as they who have left but their mounds and their bones dreamed they were to be.

Yesterday I visited the artist who is making the mural paintings for the new State Education Building in Albany and I found upon entering his studio that he is still at work upon an unfinished panel representing a gray-bearded Esculapius with an hour-glass in one hand, feeling with the other the pulse of a child who still carried the toy of her play. I looked upon this as an inspired prophecy of what this State is coming to do, though the artist himself was unwitting that the legislature (which has not yet adjourned) this very winter enacted a law (Commissioner Finnegan preparing it and Senator Blauvelt introducing it) which makes this painting an entirely pertinent decoration for the State Education Building; for it has provided (in chapter 627) that there shall be medical inspection of all the pupils in the public schools of the State—that Esculapius, in other words, shall feel the pulse of every school child from this month forth.

It is my happy fortune to make my first word as anticipatory Commissioner of Education one of welcome to you who are to help us perform this new and important service for the most precious possession of the State—her children.

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#### Address of Mayor Louis P. Fuhrmann

*Mr. Chairman, Honored Guests, Delegates, Ladies and Gentlemen:*

The City of Buffalo feels itself highly honored by this assemblage of distinguished guests gathered from nearly every civilized nation on earth and from almost every State of the American Union.

The International Congress on School Hygiene is an assemblage that any city might be proud to entertain, for we know that our guests are highly honorable in personnel and engaged in a cause worthy of the best in mankind.

As the official representative of this city it gives me great pleasure to extend to this body the sincere welcome of four hundred and fifty thousand Buffalonians. We rejoice in your presence with us. With pride in our hearts every citizen in this city joins me in the hope that your sojourn in Buffalo may be memorable and happy.

This is a world convention. And for the first time in its history it meets in the United States. But, Buffalo is used to entertaining great

assemblages. The Free Soil Convention in 1848—the convention which flung to the breeze the banner of Free Soil, Free Speech, Free Men, and which contributed more than any other single influence or event previous to 1861 in polarizing sentiment in favor of human freedom in this Republic—was held in this city of Buffalo. The great Pan-American Exposition, breathing sentiments of fraternity and inclusiveness to all the North and Central and South American nations, occurred here in 1901. Similarly, I assure you, ladies and gentlemen, that the people of Buffalo expect great results from this great International Congress—results which will go far to benefit mankind for all time to come.

As this body is a World Convention, so I am here on this occasion to proclaim that Buffalo is a world city. Of all the cities in the United States none are more cosmopolitan in character than Buffalo. The descendants of Europe, Asia, Africa, as well as the Americas, enter largely into our population.

We not only have this wide racial diversity amongst us, but our industrial and commercial activities touch more sides of human life than any other city in the new world.

A great city is more than houses and lands and ships, to be sure, but so long as the world is as it is and men have to earn their living the industrial aspects of the community will remain of prime and commanding importance.

Turning aside from commerce and industry to those things that deepen and enrich human life, permit me politely to call your attention to the multitude of evidences on every hand which prove beyond challenge that Buffalo is a beautiful and a universal city. Our thoroughfares and our residences, our streets and our parks, our business houses, banks and newspapers, school houses and religious edifices, as well as our charitable and fraternal organizations, are proof positive that Buffalo, the home of two distinguished American Presidents—Millard Fillmore and Grover Cleveland—is a progressive, patriotic American city.

It is to such a city that I extend to this Congress a thousand hearty welcomes.

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#### Response of President Eliot

*Mr. Secretary, Mr. Commissioner, Your Honor:*

On behalf of the International Congress on School Hygiene, and on behalf also of the numerous American organizations for education, health and social well-being represented at the Congress, I thank you for your cordial words of welcome. You, Mr. Secretary, represent in the na-

tional administration the great subject of productive work. Now work, steady and fruitful, has been and is the most effective feeder, trainer, and civilizer of mankind. You, Mr. Commissioner, represent public instruction in the rich State of New York, a State which gives to the whole Union a striking example of the beneficent ways, both direct and indirect, in which a state can foster and build up worthy educational institutions, whether tax-supported or endowed, suited to a population heterogeneous as regards race, religion, and occupations, but united and single-minded in the desire for the effective education of all the children each to its own best capacity and highest serviceableness.

Mr. Mayor, you have expressed in friendliest words the welcome to this beautiful and hospitable city which the city's officials and the Buffalo Citizens' Committee have already expressed in generous deeds. Finally, I thank all the promoters and organizers of this International Congress on School Hygiene, the first held on American soil, for their successful labors and their enlightened good-will.

Further responses to the foregoing addresses of welcome were made by the following delegates from foreign countries:

ARGENTINA,	Dr. Carlos Robertson,
AUSTRIA,	Dr. von Braitenberg zu Zennenberg,
CHILE,	José Maria Saavedra,
CHINA,	Dr. Wu Lien-teh,
CUBA,	Dr. Marcelino Weiss,
FRANCE,	Felix Martel,
GERMANY,	Prof. Dr. Selter,
GREAT BRITAIN,	Dr. Ralph H. Crowley,
GUATEMALA,	Dr. Ramon Bengoechea,
HONDURAS,	R. Camilo Diaz,
ITALY,	Dr. M. Serrati,
MEXICO,	Dr. Joaquin Cosio,
NETHERLANDS,	Dr. F. W. Unia Steyn Parvé,
PARAGUAY,	Hector Velazquez,
PERU,	Francisco Graña,
SANTO DOMINGO,	F. Deetjen,
SPAIN,	Count de San-Esteban de Cañongo,
SWEDEN,	Dr. F. Bager-Sjögren,
VENEZUELA,	Pedro R. Rincónes.

7:45 P.M.

DR. HENRY P. WALCOTT, *Chairman*

## Program of Addresses

1. CHARLES W. ELIOT, President of the Fourth International Congress on School Hygiene.
2. SIR JAMES GRANT, President of the National Canadian Organizing Committee.

## Business Meeting

7:45 P.M.

CHARLES W. ELIOT, *Chairman*

## Program of Address

G. STANLEY HALL, Ph.D., LL.D., President of Clark University.

## Business Meeting

## Address of President Eliot

Since this century opened there has taken place among thinking people a great increase of interest in preventive medicine, and in school hygiene as one branch of preventive medicine. The reason for this fresh interest is, I think, a better appreciation of the fact that modern civilization, that is, the progressive civilization of the last hundred years, has worked terribly against the health and the perpetuity of the white race. Within that time the factory system has come into common use, making multitudes tenders of machines indoors; the cities have attracted in some countries or parts of countries the majority of the population; democracy has abolished some ancient, wholesome restraints and brought in some dangerous new liberties; applied science has quickened the rate of living both at work and at play, and has brought about a high degree of nervous tension for the most intelligent and ambitious portion of the community. The consequences of this remarkable development are seen in the reduced vitality of the multitudes that inhabit closely built cities, in the diminishing size of families, in the incapacity

of many women for bearing and nursing children, in the prevalence of venereal diseases, and in the disproportionate increase in the number of the insane, the defective, and the criminally inclined. Such cities as Paris, London, Berlin, New York, and Chicago bear witness to the fact that modern civilization is all the time preparing and promoting its own destruction. Urban life and easy morals bring in selfish luxury and destructive vice; and through the sheltering from hardships, the physical comfort, and the gregarious excitements and passing emotions with no sequence in action which city life supplies the human race is enfeebled and made less resistant to the evils, new and old, which continuously assault both body and soul. The same applied sciences, however, which have made modern urban life possible, supply defenses against the evils which accompany civilization. Thus, they supply all the forces which have built up the new and wonderful structure of preventive medicine. Among defensive measures against the evils which crowded cities and the factory system have brought on mankind, the subject of this comparatively new sort of congress, or international meeting—School Hygiene—is of first importance. The evils which result from bad housing, over-crowding, and unwholesome excitement in cities, and from the factory system which prevails in many important industries, take their worst effect on children and young people. Remedies and preventives should therefore be applied during childhood and adolescence. Moreover, the grown-up generation has already suffered the losses and damages, and are in many cases beyond remedy. It is to the rising generation that preventive and remedial measures may be most hopefully applied.

The topics to be considered in this Congress take a wide range, as the programmes of the Congress and its Sections have already proved to you. The breadth of these programmes results from the profound changes that have taken place in most of the conditions of life for the individual and for society as a whole within the past hundred years. The environment of each individual, child or adult, has changed. The ideals of the family have changed; all the industries by which the white race lives have taken on new forms; and within forty years government, and particularly democratic government, has come to stand in an altogether new relation to the people. These programmes bear witness to the fact that at innumerable points aristocratic government and democratic government alike, in both Europe and America, are interfering as they never did before with the individual, the family, and the industrial methods which yield a large part of the livelihood of the people. Under all forms of modern government the collective forces and resources of the people are freely used in the interest of society as a whole against indi-

vidual rights, parental rights, and what used to be considered clear business and property rights. The programme of the First Section illustrates the fact that society as a whole means to control and does control the placing, building, ventilating, heating, and lighting of school buildings. The programme of the Second Section testifies that states and provinces, as well as cities and towns, feel responsible for the health of school children, and desire to direct and enforce suitable care of that health, whether the parents and families are interested or not, or consent or not.

This second programme contains projects for the introduction of many new kinds of instruction into elementary and secondary schools, much of it relating to the prevention of disease. It is interesting to note that it would have been quite impossible to give much of this desired instruction twenty years ago, because the biological chemists, the physicists, and the naturalists have only discovered within that period the facts and principles they now wish to impart to children, and to the parents and teachers of children. One of the most urgent demands for the introduction of a new subject into the programmes of schools is the demand for teaching sex hygiene. It is only within about five years that any considerable amount of public attention has been directed to this subject—for this reason among others, that until recently there were no accurate tests for the latent presence of the diseases which in mankind accompany perverted sex relations. Moreover, the laws and the public hospitals took no cognizance of the worst of contagious diseases; and state, church and family were silent about the worst of human vices.

These programmes also bear witness to the interest of medical and pedagogical experts in the effects of modern urban civilization on the nervous and mental diseases of children. These experts are inclined to attack on medical grounds some long-standing practices in schools, such as frequent examinations, lessons at home, and keen competitions. They are also interested in the causes of fatigue. It is to be hoped that these researches in the interests of school children will yield results applicable to adults engaged in professional, business, or industrial life; for the phenomena of strain and fatigue are common in all the modern industries and occupations, and the efficiency of society as a whole would be greatly promoted if such disorders and sufferings could be prevented. They are commonly attributed to over-work, whether they occur in children or adults; but it may be doubted whether they are caused by too much work. More probably they are caused by uninteresting and worrisome work done without cheerful motives and therefore without enjoyment. Children especially need free and keen interest in their work, and can hardly be strained in work which they enjoy. The same

is true of adults in all occupations. It is hard to hurt any person, man or woman, by work; provided he or she enjoy the work and observe the simplest rules of healthy living. The factory system with minute division of labor needs short hours, or a short working day, because close attention has to be given to a small task incessantly repeated, the performance of which has often become almost automatic, and success in which yields but little pleasure. Factory labor is therefore peculiarly unsuitable for children; and any school work which at all resembles factory work may safely be condemned on that ground alone.

Much has been written against competition in schools; but no one has yet proposed a satisfactory alternative for competition with its two great merits. First, competition with one's own peers and superiors seems thus far to be the only way in which any one can arrive at a reasonable understanding of his own powers. Now an understanding of one's own powers and confidence in the powers understood are necessary to the continuous development of any human being during the whole period of active life. Secondly, it has been abundantly demonstrated in the industries of all civilized countries that competition is necessary to progress in any industry large or small, old or new, personal or corporate. When competition is killed, progress ceases. That is the history of monopoly the world over, and the past and the present alike prophesy in no doubtful tones the future. Thus, any industry which rests upon patents stands still for the period of the patent, unless it is forced to buy and adopt new patents. In this country, though not in Europe, such a business may stand still in spite of buying new patents, because the patents purchased may be pigeonholed.

Against fatigue during school work two prescriptions have already proved effective—variety in work, and short periods for strenuous attention. The same prescriptions will go far to prevent fatigue in the occupations of adults, and it is also to be observed that both children and adults are greatly helped by feeling a personal interest in whatever work they do, whether by the minute, the hour, or the day. An adult will be much sooner fatigued by work in which he takes no interest than by work which interests him; although an enthusiast's passion may of course carry him to unwholesome extremes. No professional man, mechanic, or operative can do his best work unless he feels a personal interest in it, or enjoy work without loyalty to his calling or trade, and to his employer, whether that employer be the nation, the state, the city, a corporation, a firm, or a person. In school work, and in the later earning of a livelihood, these principles must be put in practice as part of school hygiene and part of every sound philosophy of life.

The past fifty years have witnessed a great improvement in the conduct of schools and in home discipline. The motives of fear, submission,

and unquestioning obedience are much less appealed to than they used to be; and in their place have come in the motives of natural interest, emulation, and willingness to follow a winning guide. This is an immense improvement as regards the health as well as the happiness of children. It is a very trustworthy part of school hygiene.

One of the most interesting Sections of this Congress is that relating to play and athletics. The success of the Playground and Recreation Association of America during the past four years has been very encouraging. The Association resists effectively one of the worst evils of city life, the cutting off of children from open-air sports and games. The country child not only takes appropriate part in the outdoor labors of the family, but is free to roam at will through fields and woods amid the pleasant sights and sounds of nature. The city child can only contribute to the indoor labors of the family, and for open-air recreation is confined for the most part to the brick sidewalk and the paved street, from which he can look up to only a narrow strip of sky. The school rarely supplies him with anything more than a small gravelled area in which he can move about a little during recess. To be sure, within the school he may be given some gymnastic exercises; but they will be indoors, and will probably be some kind of drill or simultaneous exercises which change at the word of command. They will not be free sports. The short experience of the Playground Association, and of some American cities which have maintained for a few years past well-arranged playgrounds, has demonstrated that public playgrounds need for their best work to be supervised by teachers of games and sports, and to be well policed. Playgrounds, like parks, large or small, in or near cities, may easily become public nuisances if not well policed.

To teach and follow good hygienic methods in schools is far the best way in a democratic society to improve the hygiene of the home. It is the Boy Scouts and the Camp-Fire Girls that can clean up a village and the country highways, and keep them clean. If a high school gives to all its girls good instruction in buying, cooking, and serving food, it will effect the diet of every family represented in the school; and such teaching, persevered in year after year, will ultimately improve the food of a large community.

The medical inspection of schools is a subject of great importance which is as yet only beginning to receive the attention it deserves. The theory of the subject has been well developed, and the reasons for effective action have been often explained; but as yet school committees, the trustees of endowed schools, and the owners of private schools have been slow to put into execution the wise policy, and to recommend the expenditure of the money necessary to carry out such a policy. In order to improve the public health we need to know the actual conditions as re-

uards both bodily and mental health which prevail in homes, schools and colleges; and the facts can only be ascertained through well organized medical inspection in all educational institutions. We need not only thorough periodical examinations of all school children, but also to know the family and personal history of the children. These examinations should not only reveal the diseases actually present, but the tendencies of each child due to either inheritance or environment; so that the child's parents may receive competent advice concerning the treatment of any diseases from which the child may be suffering, and concerning desirable changes in its environment and defenses against its undesirable inheritances. The school must take these measures of prevention, because in an immense majority of cases the parents are wholly unable to make the diagnosis of their children's diseases, or to plan the defense of each child against its probable exposure to harm or the development of latent ills. The success of the Rockefeller Sanitary Commission in the Southern States in dealing on a great scale with the hookworm disease, which for many years has enfeebled a large proportion of the population, encourages us to expect great improvements in the public health from any well-devised and well-executed system of medical inspection in schools and colleges. This Commission has not only shown that it is possible to cure sufferers by the hundred thousand, but also to prevent the spread of the hookworm disease through the population of both the present and the future. What systematic medical inspection can accomplish in a woman's college in remedying one sort of bodily defect is well illustrated in the records and diagrams preserved by the Woman's College at Baltimore, which for more than twenty years has paid special attention to the remedying of spinal curvature in young women, a defect common among American young women. The records show complete or partial correction of that defect in thousands of cases, obtained by carefully regulated use of the Swedish machines for correcting spinal curvature and other appropriate gymnastic exercises under medical direction. There are many such defects and disarrangements in children and young adults which competent medical supervision and a sound medical discipline could do much to remedy and prevent during the school and college ages. The organs of sense in youth afford a great field for the exercise of medical judgment and skill in the way of arresting and preventing unfortunate developments.

The whole subject of the reduction of infectious risks in schools and colleges is in a very crude state, requiring the immediate attention of school authorities and the medical profession. School nurses are just as legitimate objects of city and town expenditure as school teachers. The same reasons which have led irresistibly to the maintenance of city

hospitals, city physicians, and boards of health justify the maintenance in any city or large town of a system of district nursing, not for the gratuitous service of the poor alone, but for the paid service of self-supporting and self-respecting families. A family whose bread-winner brings home from fifteen to thirty dollars a week cannot possibly afford to hire a trained nurse to give her whole time to a sick or injured member at home. The wages of such a nurse and her food might easily absorb the bread-winner's entire weekly earnings. At the same time such a family is not an object of charity. It can afford, and would be willing, to pay from twenty-five to fifty cents for a daily visit from the city nurse, whose competency would be certified by her position, and who would be teacher as well as nurse. Here again, the needs of children and adults are much alike. The study and treatment of flat feet in both children and adults is another contribution which medical science and skill are making in private and hospital practice to the efficiency of the community. There is need of a public service to overcome and prevent this crippling deformity. Stated examinations of the teeth of school children should be provided at public expense, to prevent suffering, maintain good digestion, and prolong industrial efficiency and life itself. In the few towns and cities which have experimented with dental inspection in schools an alarming amount of disease and malformation has been disclosed. These disorders can as a rule be remedied by the parents who, acting on the advice of the public inspectors and nurses, secure the proper treatment for their children from private practitioners or public infirmaries.

## SCHOOL HYGIENE AND CHILD LIFE

BY

SIR JAMES GRANT

In the first place I desire to tender my warmest thanks for the honor conferred in my selection to the Presidency, Canadian Section, and Vice-President International Congress of Hygiene. To have assembled in Buffalo, a chief commercial centre, State of New York, is a well-merited compliment, as for many years it has taken a leading part in science. The world-renowned scenic beauty of Niagara Falls near at hand, is an attraction of special interest. Why are we here at present, and with what object in view? As evidence of a deep and abiding interest in Child Life and School Hygiene, attractive problems of this 20th century.

Few subjects are calling forth wider, or more diversified attention at present, than Hygiene, which aims to make growth more perfect, decay less rapid, and death more remote. It treats of the laws of health in the widest acceptation of the term, and includes a knowledge of the causes of ill health, and disease generally, as well as its prevention, and the necessary means of preserving health, by strengthening and fortifying the whole system. In health all the functions of the body are performed regularly and normally. On the other hand manifestations of discomfort arouse suspicion that some organ is defective, the result of disease, and it is here our little friends require school inspection, to guard in time any irregularities in life's struggle. The gratitude of every lover of his country is due those of this Congress, who at much inconvenience assembled here, to consider the vital problems of Hygiene.

In fact we have a drama before us, of the fretful lives of a coming generation, for which protection is the order of the day. Observing carefully in its widest aspect, surprise and rejoicing are aroused, at the practical outcome, since the first meeting of Congress in Nuremburg, 1904, as a foundation of national welfare, and prosperity, as well as good citizenship, to promote as far as possible healthy infancy, and the genuine principles of Hygiene as advocated by the progressive spirit of the present.

Two exceedingly important problems are before us, the consideration of the child outside the school, and in the process of education within the school. As to the success of this Congress, much really depends on the diversified lines of these investigations. To accomplish a good and lasting work, care and inspection of a coming generation should include child life, at home, and in the school, as the close affinity of life action, and life saving, must be worked out in a practical and common sense

manner, to help on the present generation, in the highest development of mental and physical power.

In another direction the advice of this Congress is all-important. We have not failed to observe the trend of the present generation, to migrate from country to city, and thus change the salubrity of country life, and air, excellent food supply, and pure water, for city life, dense population, and frequently doubtful food supply, and all this from "The Farm," the very corner-stone of national prosperity. School life in the country, equipped with educational institutions, is a perfect safety valve for the rising generation, and as far as possible our influence should be exercised to counteract the rush, even in the school period, from country to city. Fully one-third of our entire population gain a living directly from the soil, and actually depend on it for their support. Health in school life is what we most desire, and advice in this direction will undoubtedly lead to an increased social, educational, and moral influence, of national concern. City life in an educational sense has prospered at the expense of the country with hygienic conditions more difficult of control, and we earnestly desire there should be no clash between urban and rural welfare. What we want, and must have, are men and women of mental, as well as physical power, and the isolation of country life has produced many of our most gifted thinkers. We earnestly desire that the principles of school hygiene should be imparted to our country friends, to strengthen the blessings of country life, by consolidated schools, perfect in every particular, and churches as well, for the moral and spiritual guidance of our people. Teachers in country school service have a responsibility to perform in this direction, in all of which they will have the advice and council of the congress. Child life may be considered under three important aspects: the home, child diet, and intellectual development. The home stands first in importance, as the fundamental centre of society. Two exceedingly interesting and attractive duties of parents originate, and must be carried out here, first as to child's food, and secondly, as to its education. The home whether in country or city, is alike in these particulars. All social movements relating to the welfare of our people are rooted in the home, which absorbs all socializing agencies, closely connected with the lives of our children. In the home what have children frequently to contend with?—faulty houses, poorly furnished, and frequently a planning workshop, as a kitchen, no sink or provision for running water, living room, and bed rooms, over crowded, and small; defective air and light; kitchen waste standing near a door, back yards in foul condition, and flies in every direction. Sanitary bath rooms with modern conveniences are frequently wanting. Outside toilets repulsive in character, and defective in sanitary precautions. Wells absorbing outside

drainage, particularly in the country. Over-crowding is a serious problem and most destructive to life, as seen in the tuberculous rows of New York City, now chiefly removed by sanitary inspectors, greatly to the benefit of the living. In a pinary where trees are closely clustered together, they die rapidly, so with inhabitants in closely crowded habitations, dark and badly ventilated. Certain death chambers of undoubted character, when children enter school from such quarters, Hygiene has a difficult task to perform. The body not only starved for want of pure air, but frequently wanting in the supply of healthy nourishing food. What can School Hygiene accomplish under such trying circumstances? Children born and condemned to live in slums, never have an opportunity of sowing the flower seeds, or watching the flowers grow. How little we actually know of the longings and fancies of such dear little circles, enduring the privations of life cheerfully, and contented with imperfect surroundings. How to lessen the waste and loss of life, the result of defects in living, is a sad problem, that faces our generation. Thousands spent annually on live stock, and why not more spent on children, as to care and supervision so necessary for health, strength and education. How frequently the child attending school has the morning appetite destroyed by anti-hygienic surroundings. Robert Hunter (Literary Digest, July, 1909) states 70,000 children were found in New York schools underfed, and a much more numerous class of children chronically underfed, from food insufficient in quantity, poor in quality, and lacking in nutrient. John Spargo in his "Bitter Cry of the Children" after careful investigation states—that in New York, Philadelphia, Buffalo and Chicago of 40,746 children, 12,121, or 34.65 per cent., had gone to school breakfastless, or nothing more than bread, and tea or coffee, a poor outfit for a day's work, in school life. Foreign nations and the English in particular have frequently debated on the underfed school child. In April, 1905, Sir John Gorst applied to the British Government the words of the Apostle, "They are ever learning, and never come to a knowledge of the truth." Poverty or actual want of food is not the real trouble, but domiciliary Hygiene of the poorer classes, careless mothers, late retiring hours, unsuitable meals, and frequently empty digestive organs. Such faults are frequent, and should receive closer attention of parents and teachers. In the period of youth, the corner stones of future strength and constitutional development are placed to build tissues, possessing the elements of vitality. Air and diet play an important part in holding together the brick and mortar of the system, especially in child life.

Great cities and manufacturing centres have a large child mortality. New York has 171 infant deaths per 1,000, and Fall River 260 per 1,000, and in Toronto, Montreal and Ottawa, the death rate of children is

high. The influence of mothers, in the life saving of children, *is truly remarkable*. In Berlin, Germany, July, 1909, there were 913 deaths of children fed on cows' milk, and only 86 deaths of children breast fed. Of 300 babies recently admitted to the Children's Polyclinic, Dresden, 53 deaths of bottle fed babies, and of 93 breast fed babies, not one died. Medical Health Officers of Birmingham, England, reported recently on the deaths of 3,000 infants, and found only 24 deaths of breast fed babies. Under such circumstances, we cannot fail to recognize the important fact, that infant life depends greatly on the mother, whose care and watchfulness over the infant should be most zealously guarded, free from want and over work.

Annual horse shows exhibit fine animals, and what we desire, and hope for, is that yearly assemblies, country and city, the men and women of our land, should present a strong, vigorous and healthy turnout, the pride and pleasure of our people, life growing better and happier as years pass on. Farmers' calves grow just as they are fed, by rich or poor milk. One a prize winner, at the fair, but the skim milk calf underfed, not a successful competitor. This rule applies directly to our own half starved and imperfectly fed children. Good food makes good blood and flesh, from which springs good mental and physical power. Mother's milk stands first for babies, and as the child advances in life, change and variety of food are necessary, to produce strong tissue building blood, to meet the wants of the system.

The food of the child at school is second only in importance to that of the infant, and here rests greatly the home responsibility of mothers, as to the future of the child at school age. Modern school life is exciting, and food should be such as to quiet and soothe, plain, simple and nutritious, easily digested and assimilated.

Practical instruction to mothers on child diet would serve a good purpose, and save many valuable lives. The necessity of a thorough knowledge of the diet of school children is gradually gaining ground, and school authorities are moving more actively in that direction, as tiny brains phosphorescent and scintillating, at every movement, cannot be too carefully nourished in the formative process of mental development. Nervous troubles and imperfect digestive conditions are closely associated. Penury is a mistaken idea, in food supply, for children at school and the noon lunch is most important, to brighten, cheer and lessen brain strain, in the closing of a day's study, the very time when fresh blood is needed for brain cells, to avoid excessive exhaustion. Our utmost endeavor should be, most careful consideration of the best and safest method of converting the dross of the market, into the finest gold for the development of the highest human endeavor. Next in importance to physical development of the child in our schools, is the

acquirement of knowledge. Mental hygiene and physical hygiene are inseparably associated, in the essential balance of mind and body. The educational system of the present day is gradually becoming more cumbersome and complicated, in fact, quite academic in character, and a serious test of strength, to young brains in the plastic stage, budding forth to the period of practical usefulness. The mental and physical well being of youth should advance equally, and one of the most difficult and trying problems is, how to build the best brains out of the material at our disposal. Educated evolution is closely associated with the development of mental power. Each brain like each blade of grass, is single in character, and power, and must be studied on its merits, to fit it for the varied duties of life. Such course of action is difficult, but the outcome will subserve the best interests of a progressive age. The drawing out process of education must be conducted with a thorough knowledge of the scientific principles involved, to build the best brains of the material at our disposal. To accomplish unity of purpose, the brain must be in keeping with the strength of the body, to accomplish the desired objects. Dr. Madsley, "Gulstonian Lectures," 1870, states, "The time has come when the immediate business which lies before anyone, who would advance our knowledge of mind, unquestionably is, a clear and searching scrutiny of the bodily conditions of its manifestations in health and disease; he must recognize how entirely the integrity of the mental faculties depends on the bodily organization, in fact we must acknowledge the unity of mind and body." In child life we are dealing with crude and rudimentary cerebral pulp, soft and pliant in structure, requiring care, to avoid over-mental strain, known to blight many a brilliant intellect and entire lifetime. The pliant character of youthful brain tissue, in the formative process of thought, cannot be too carefully guarded. A Scotland Yard detective could not perform the duty. An expert of the highest character, thoroughly informed in physiological and psychological principles, should be at the educational helm to guard life, and intellectual endowment. How true is the sentiment of Huxley, "Freshness and vigor of youth must be maintained in mind as well as body." A question frequently asked, at what age should children be admitted to school? Between the fifth and sixth year, the brain grows rapidly, and its interior at this stage of life gives evidence of rapid growth. The receptive faculties come actively into operation, so education should be commenced slowly, gradually and cautiously. Great care should be devoted to the budding evidence of intellectual power, to conserve brain usefulness, in after life, for as the tree is bent, so will it grow.

The general consensus of opinion is, that the seventh year is the safest period for the commencement of school training, as much as possible of

a playful character, to initiate brain attention without strain. It is remarkable how many go through life with their eyes shut, as far as observation is concerned. Our own family of seven children, I first taught to observe, giving to each child, a small wide-mouthed glass bottle, half filled with sawdust, saturated with alcohol. In playful hours every insect in view was bottled, much to their delight, and a fine collection, the result. The acuteness of observation thus developed proved of marked educational importance. In the youthful period, outside exercise strengthens the system and fortifies brain power. The special duty of life should be defined early, and education so directed as to achieve the best possible results, and in time good child power will become good man power. In the course of study, an occasional day off is a desirable recreation, which keeps both body and mind in a normal state. The gymnasium has an important place in school days, for the growth of the body. The gymnastics of brain and body should not conflict with each other. Careful school inspection is fortunately becoming generally adopted. Ten years ago there was only one medical inspector of a school board school, in the whole of Scotland, and at present not less than 105 such scientific experts, and in England and Wales, fully 443 inspectors. In Europe, Canada and the American Republic, this progressive idea is very generally adopted. In Edinburgh an impression is gaining ground that physical culture comes before the Humanities, and Hygiene reckoned of greater importance than higher mathematics. Simple and inexpensive school buildings are now advocated, in preference to palatial costly stone buildings, as if to last forever. Inexpensive school houses, well heated, well lighted and perfectly ventilated, will serve every purpose, and can be razed to the ground, should necessity demand such.

In conclusion, I wish to give a practical hint to mothers, how to preserve child life. The skin is an index of functional activity, and there must be integrity in the living chain, of which the skin, nerve, and ganglionic centres are but links. The sebaceous glands, choked with sebum, and the sweat glands, lymphatics and blood vessels, all requiring rousing up. Friction to the skin by a flesh brush five minutes, dry at night, and wet in the morning, awakes to a remarkable degree the reflexes of the cutaneous, vascular and nervous systems. For fully half a century, I have adopted this practice, and now in advanced years, enjoy quite a youthful experience and muscles generally firm as a board. The more sensitive the skin becomes, the more rapidly are impressions received by the brain. Hence the importance of strict attention to the living covering of the body, in all of which subject, there is ample scope for medical research. In educational matters, the London County Council, England, has recently taken an

advanced step, recommending the appointment of psychologists, to assist head masters of schools, in the detection of mentally deficient children, quite in line with modern thought, and most welcome as evidence of a truly progressive spirit, in mental development. In view of the rapidly increasing importance of hygiene, as a factor in national progress, the masses cannot afford to view lightly the achievements of this Congress. All workers are united as one in a general cause. Science never halts in its onward progress and research is tending towards a unity of knowledge as a whole. Lives are devoted to the study of nature for the welfare of our race, and the progressive spirit in evidence, a source of encouragement, in the evolution of hygienic power. A vast wave of sanitary science is floating round the world and its ripples felt in remotest parts. The interests of the world are linked together almost as one, so hygiene in a comprehensive sense, carried out successfully will tend to sharpen and strengthen right thinking, and greatly reduce international ill-feeling. Let our education be fortified by the principles of common sense, and the outcome will be more lasting and practical, and our present generation better able to stand the tests of a trying age. Hailing as we do from all parts of the globe, to exercise an influence for good in child life and hygiene, we earnestly desire a unity of action by this Congress, towards a wide-spread *home education*, in the principles of peace, which we trust will be consummated by the great powers to promote uniform happiness and prosperity.

## THE HYGIENE OF APPETITE AND OF THE ENVIRONMENT OF EATING

BY

G. STANLEY HALL

Current-day scientific Wundtian psychology has been built up essentially on the higher senses, sight, hearing, touch, and its methods are to a great extent those of the physical side of physiology, from which it sprang. It has accomplished very much and its work is yet far from completion. Of late, however, a new and most significant movement takes us back again to physiology, but this time to its chemical side, centering in taste and the nutritive processes. The claim of the master of the great school of Pawlow is that it has introduced digestive processes into psychology. This it has done by showing how intimately connected is every stage of the digestive activities with cerebral centers, by showing how hunger sensitizes the psyche, even of the dog, to make discriminations and to learn in ways hitherto undreamed of under its impulsion, by giving us the most perfect of all objective measures of psyche states and changes in the quantity and the quality of salivary and gastric secretions. Perhaps the chief practical result of all this work of scores of experimenters, mostly Russian, for a score of years, has been to show the immense rôle of appetite as the mainspring of about all the processes of the entire alimentary tract. Time permits only the briefest allusion to a very few of the methods and results of these investigators in order to hint at the basis on which the above thesis of the immense significance of appetite depends. By an extremely clever use of all the resources of antiseptic surgery it has been possible to measure with great exactness the quantity of salivary secretion which hunger excites and to demonstrate its stimulating effects upon association, and thus to show that after a series of e. g. forty experiments as much saliva (measuring expectancy of food), flows when a specific note, color, form, local touch, heat, etc., has been used as a signal of the coming food as when the food itself is given. This shows many things but among others the intensely stimulating power of hunger upon the mind in making both fine discriminations and in registering and associating them. So exquisitely is the hungry dog's psyche sensitized that it may seize upon anything in the environment as a sign of the expected food, an automatic movement of the feeder, a difference in sound of the make and break click, so that to make the experiment pure an automatic restaurant had to be provided and every human influence eliminated. This is of course in line with the acute sensitization of the psyche of the learned horse, Hans,

which was found to respond to unconscious automatic movements of his trainer, von Osten, and to do his wonderful feats by muscle reading, which the laity always believe to be mind reading. This is not the place to expatiate upon the leading rôle which hunger has played in psychogenesis, a rôle probably even greater than that of its great rival, sex.

Appetite has a no less striking influence upon gastric secretion, as explored in sectioned-off portions of the stomach open to observation through a fistula. Not only the quantity of gastric juice varies with mathematical, but the quality with chemical, exactness of *rapport* with the amount and kind of food. Injections of sand, sawdust and other innutritious substances inserted through an opening excite no secretion, but the connection between the stomatic and oral hunger is so close and, what is more, cerebrally mediated, that a dog whose oesophagus was cut, so that all food came out in a dish without entering the stomach, kept eating for six hours and secreted 700 cubic centimeters of pure gastric juice. The pylorus, which feeds the duodenum, has functions so remarkably adapted that Pawlowists have spoken of the "pyloric soul," a strange term to the old physiology of digestion, and we so might go down the entire thirty feet of the alimentary canal to the large intestine, the functions of which Metschnikoff has brought into such prominence, and even to the anus, the functions of which, especially in young children, Froud has made so important in his psychology of sex. Suffice it here to say that psychology here is going back to physiology for a new and broader basis and that of all these processes the initial momentum appears to be given by appetite, which Sternberg and others have brought into such new prominence, not only for general therapy but for physical and mental hygiene.

The question what appetite really is is one of the most baffling and yet now one of the most challenging of all the problems in this field. It has a prominence that is in some respects akin to that now assigned to *Angst* as the *prima movens* in neurotic and psychotic affections. Appetite means more than merely tasting good, and it is a much more general term than hunger, with which it is inseparably connected. Of the latter we may say there are now three theories, one greatly re-enforced by the striking experiments of Cannon, whose subjects swallowed rubber balloons, then inflated and registering on a kymograph the contractions of the stomach in hunger pangs, and also re-enforced by the startling observations of Carlson on a patient whose oesophagus had been closed for seventeen years and who was fed by injection through an artificial orifice into the stomach, the activities of which were so closely conditioned upon those of the mouth that digestion was best secured by first chewing the food, to start up the stomach activities, and then injecting it with a syringe. These experiments show beyond a doubt that acute

hunger which, however, studies of the great fasters show, ceases with the third day, is located in the stomach. The second theory places it in the blood. Dupuyten and also Schiff kept dogs from feeling hunger by injecting nutritive substances directly into their blood, and they maintained that to locate it in the stomach is an illusion like locating pain in the finger of an amputated arm, an illusion fortified by the life-long association between the act of taking food and the quieting of hunger. Here, too, belong Guelpa's brilliant clinical researches, that not so much nutritive material but an accumulation of waste matter in the blood is the basis of hunger. A third theory takes us back to the very cells and is represented by Roux and his school and also by the Spanish school of Truro, who assume that what we call conscious hunger or thirst are really the summated effects of the feeble cry of every cell in the body for nutrition, as the sound of wind in the forest is made up of the clapping of individual leaves, or that of the surf of individual waves lapping the shore. Those theorists go further and would even have us believe that the ultimate basis of all psychic processes is cell hunger or its opposite state, repletion, that curiosity and interest are inclination to an intake by certain cerebral cells of the elements they want from the fluids that lave them. They have even given us an epistemological theory to the effect that the edibilia are more real than visibilia or audibilia or tangibilia, because they may run the gauntlet of more senses, since we not only see and touch but also taste and eat our food, thus giving it added criteria of reality.

Dismissing, however, all these latter speculations, we must conclude that appetite cannot be sharply located or rather is an affair involving not merely taste and its forerunner, smell, but is something larger than hunger, and is modified by many, if not most, conditions and processes of the stomach and all the digestive organs, by the blood and the need of the ultimate elements of the body, that it both expresses these and gives, as I have said, a certain initial momentum to them all, in the failure or weakening of which they all are liable to suffer. From all this we may infer that appetite, however we define it, is the very best guide and test of hygienic feeding, both in health and disease, and that we have from all these data the basis of a new conception of its rank and place among dietary agencies. Normally it points true as the needle to the pole, too, to the actual needs of the body, although of course one must never forget that, like the magnetic needle, it is subject to many aberrations. These studies of course not only tend to exalt the function of the kitchen and culinary art but to show us how highly sensitized the appetitive soul is to everything that goes on in the body itself, and at the same time to everything that takes place without it which can be associated with food taking and the digestive processes, and it greatly

widens the range of the latter. The very state of having and indulging wisely and well a good strong, healthy appetite, is itself most sanitizing.

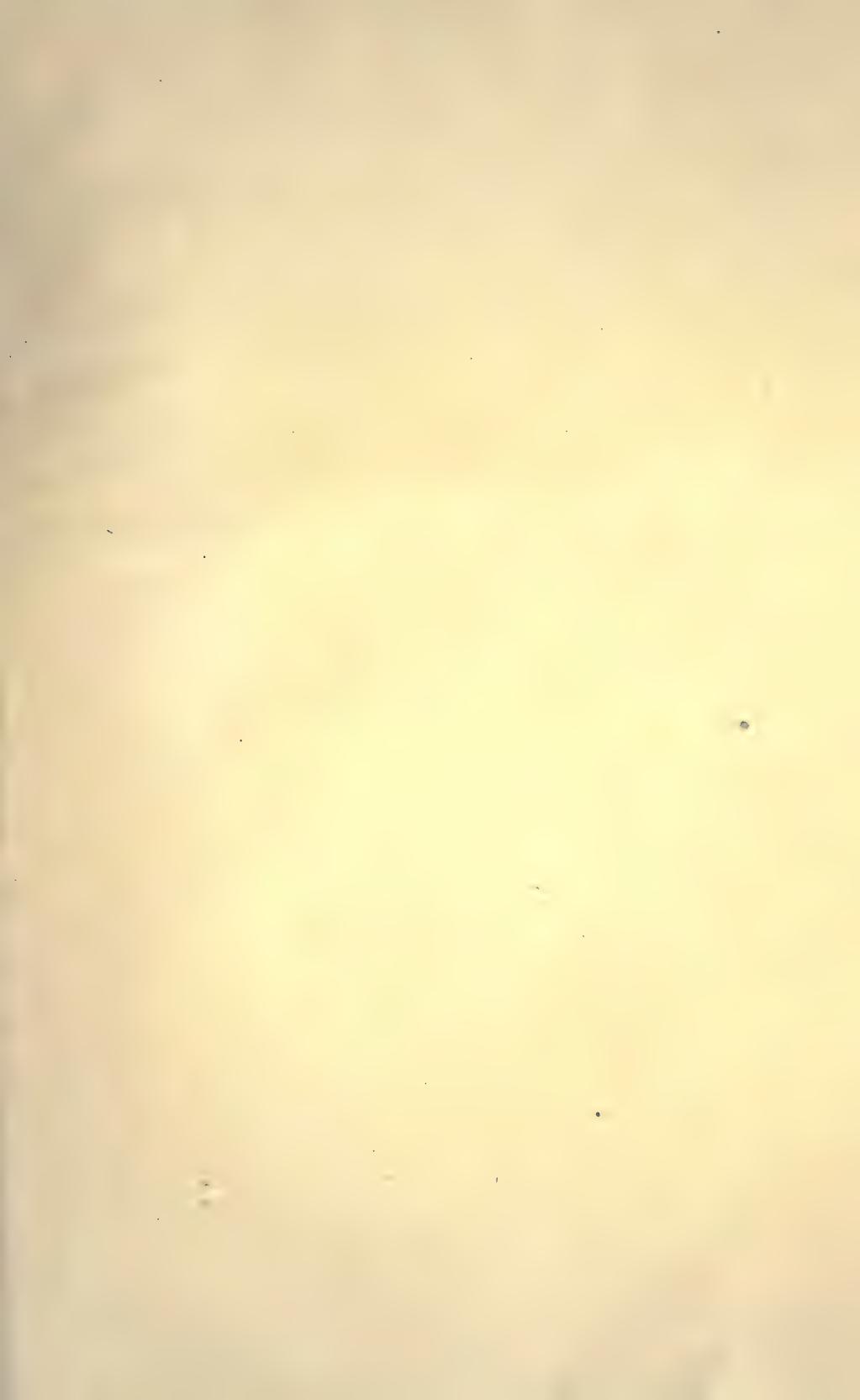
Perhaps we may pause here for a moment to reflect how all-conditioning food-taking has been up the whole evolutionary series. The law of primitive life seems to be "eat or be eaten." The grave of individual and species seems often to have been the maw of their enemies. Food supply determines whether and where creatures migrate, hibernate or hestivate. The physiological need of maintaining a constant balance of salts has driven animals and man to strange diets and caused a growing *malaise* that has prompted not only to long migrations but to permanent changes of habitat. Food needs have constituted the greatest of all mind-making agencies, teaching us concerning the life habits and histories of both animals and their prey. Incipient hunger quickens every activity, which satiety relaxes. De Candolle estimates that man has learned through much sorry and often fatal experience to use the *circa* two hundred edible vegetables and nearly as many edible species of animal life. There is a sense in which every disease and even trauma is due to local starvation or cutting off the blood supply, or the arrest or perversion of nutritive processes. Modern man knows little of the intensity of the food quest as it has prevailed in many times and places in the ruder past, with its alternate starvations and pot-latches, long before the evolution of meal times, when food and the apparatus which secured it were almost the only property.

But finally if food for the sick or well can be so prepared that it tastes very good indeed and is eaten with the heartiest relish, enjoyment and abandon, and with the best environment, then all the digestive and assimilative processes are best assured.

Questionnaire data, too, show that there is almost nothing in the entire environment of eating which does not affect the appetite. We eat more or better or both if the dining-room is illuminated and sunshiny, the walls artistically treated, the dishes, knives and forks, table-cloth, napkins, the personnel and attire of the waiter, satisfy us. Color standards are often prescribed for certain foods. So are forms and modes of serving. Flowers, music, song, help. Knowledge of the mode of preparation of food is often a potent factor. A visit to stockyards has made or confirmed vegetarians. The Chicago sausage-maker who was executed for murdering and grinding up his wife's body in the factory reduced the sausage-eating for some years, far and near, and the published discovery of a bushel of dead rats in the vat of a brewery in New York made for temperance, or as a punster put it, ratified many a pledge. Some loathe tripe when they learn what it is. Knowledge of bacteria and the *rationale* of food and drink hygiene has sickled o'er the formerly unconscious joy of eating and drinking with a pale cast of

thought, while the pure food campaign, beneficent as it is, against adulteration of foods, drinks and drugs, has wrought a state of mind unknown to primitive man and brought a constant haunt of infection. People who eat alone, and especially those who cook their own food, are prone to eat less, with less mastication, more rapidly, with less variety, to become careless and irregular. Man is gregarious, and social converse at meals is one of the best of appetizers, while depression and a sense of isolation are keenest to those who are solitary when they eat. A few of these day-dream of imaginary companions and even set chairs for them, while more think of their friends. The health and spirits of a homeless girl who eats alone are in danger, and she is otherwise a pathetic object. Some young women in our returns confessed that they ate better if there were one or more men present, that an enemy, critic or other objectionable person might wreck a meal, and so might disputation or violent argument. Harmony, wit, humor, help both appetite and digestion, and converse with a friend is best of all. Common meals tend to fraternity and communion of sentiment and ideas, and increase not only the amount of food taken but its nutritive value. There are also food fetishes as well as pet aversions, and there are, as I have elsewhere tried to trace, not a few analogies between the Freudian mechanisms involved in sex and those involved in food, despite the fact that nowadays most people know little of repressions in the way of fasting or starvation.

Thus we are coming back with renewed emphasis to the old slogan of the crass materialists, Büchner and Moleschott, "*Mann ist was er isst*," but philosophical prejudice here is groundless. My old teacher, Mark Hopkins, who was also a physician, who used to impress upon us the maxim of Hippocrates, "God-like is the doctor who is also a philosopher," used to preach that it was our duty to elevate the bread, meat and potatoes and other things we eat, so that we might perform the highest service to God with the strength we derived from them, according to an old and very common form of benediction before meals. He used to say we were thus elevating the universe in both ways, consecrating the food itself to the highest possible uses and doing good in the world. My old Leipzig teacher of physiology, Ludwig, used to dream of the enormous economies that would come if we could perform some of even the preliminary digestive processes outside the body in a way to lessen the large friction of our total kinetic energy that went to digestion. There certainly does seem to be now some new hope that we may rise above the innumerable fads and cranky dietary theories to which human nature has such a sad proclivity of superstition, and learn better than we know how to eat aright, which is about as fundamental a precept as anything in the whole field of physical or mental hygiene.

















LB                      International Congress on  
3403                      School Hygiene. 4th, Buffalo,  
I6                      1913  
1913                      Fourth International  
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